2004 Water Quality Assessment (Final) - Delistings from 1998 303(d) List, now Category 4A

WRIA	Listing ID	Category	Waterbody Name	Location Information					Parameter	Medium
			Basis						Remarks	
1	**7054**	**4A**	**ANDERSON DITCH**	**WO95OB**	**9.709**	**39N**	**02E**	**36**	**Fecal Coliform**	**Water**
			Silver Creek Watershed Management Committee, 1989. , 5 excursions beyond the criterion at Site 12 (RM 2.0) on 6/15/88, 9/6/88 and 11/10/88.; Western Washington University (1993), 5 excursions beyond the upper criterion between 7/91 and 5/93 at Site 12						Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	**7056**	**4A**	**ANDERSON DITCH**	**WO95OB**	**7.267**	**39N**	**02E**	**35**	**Fecal Coliform**	**Water**
			Western Washington University (1993), 10 excursions beyond the upper criterion between 7/91 and 5/93 at Site 7 (RM 0.5).						Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	**6618**	**4A**	**BENDER ROAD DITCH**	**UI16IQ**	**0**	**40N**	**03E**	**16**	**Fecal Coliform**	**Water**
			Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station FT3 shows the following: 7 of 18 samples (38.9%) exceeded the percentile criterion in 2002.						Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
			Northwest Indian College unpublished data from station NWIC-FT3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 369 cfu/100mL from 5 samples collected in 1999.							
			Dickes, 1992. 3 excursions beyond the upper criterion at station F8 during 2/92 and 3/92.							
			Dickes, 1992, 2 excursions beyond the upper criterion at station F16 during 2/92 and 3/92.							
			Dickes, 1992. 4 excursions beyond the upper criterion at station F16 during 2/92 and 3/92.							
			Erickson, 1995. station BD1 (BENDER RD. BD1) shows 1 single samples exceed the geometric mean criterion out of 2 samples collected during 1994.							
			Erickson, 1995. station BD1 (BENDER RD. BD1) shows a single sample exceeds the geometric mean criterion out of 1 samples collected during 1993.							
1	**6624**	**4A**	**BENDER ROAD DITCH**	**UI16IQ**	**2.603**	**40N**	**03E**	**04**	**Fecal Coliform**	**Water**
			Dickes, 1992 , 3 excursions beyond the upper criterion at station F8 during 2/92 and 3/92.						Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	

WRIA	Listing ID	Category	Waterbody Name	Location Information					Parameter	Medium
			Basis						Remarks	
1	**10356**	**4A**	**BENDER ROAD DITCH**	**UI16IQ**	**0.961**	**40N**	**03E**	**09**	**Fecal Coliform**	**Water**
			Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station FT6 shows the following: a geometric mean of 179.2 cfu/100mL from 23 samples collected in 2002 exceeded the criterion, and 10 of 23 samples (43.5%) exceeded the percentile criterion; 3 of 19 samples (15.8%) exceeded the percentile criterion in 2003. Northwest Indian College unpublished data from station NWIC-FT6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 596 cfu/100mL from 5 samples collected in 1999. Erickson, 1995. station BD2 (BENDER RD. BD2) shows 2 single samples exceed the geometric mean criterion out of 2 samples collected during 1994. Erickson, 1995. station BD2 (BENDER RD. BD2) shows 2 single samples exceed the geometric mean criterion out of 4 samples collected during 1993.						Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	**10357**	**4A**	**BENSON ROAD DITCH**	**GP43XI**	**0.531**	**40N**	**03E**	**19**	**Fecal Coliform**	**Water**
			Erickson, 1995. station BS1 (BENSON RD. BS1) shows a single sample exceeds the geometric mean criterion out of 1 samples collected during 1993. Erickson, 1995. station BS1 (BENSON RD. BS1) shows 2 single samples exceed the geometric mean criterion out of 2 samples collected during 1994.						Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	**7072**	**4A**	**DEER CREEK**	**DR81WH**	**2.682**	**39N**	**02E**	**26**	**Fecal Coliform**	**Water**
			Tetra Tech, 1989. , 4 excursions beyond the upper criterion in 1989 at station 8 on Aldrich Road..						Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	**7073**	**4A**	**DEER CREEK**	**DR81WH**	**0.926**	**39N**	**02E**	**27**	**Fecal Coliform**	**Water**
			Tetra Tech, 1989. , 5 excursions beyond the upper criterion in 1989 at station 9 on Wiser Lake Road..						Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	**6627**	**4A**	**DEPOT ROAD DITCH**	**NK26OD**	**4.913**	**41N**	**03E**	**32**	**Fecal Coliform**	**Water**
			Erickson, 1995. station DP2 (DEPOT RD. DP2) shows 2 single samples exceed the geometric mean criterion out of 2 samples collected during 1994. Erickson, 1995. station DP2 (DEPOT RD. DP2) shows 2 single samples exceed the geometric mean criterion out of 2 samples collected during 1993. Dickes, 1992. excursions beyond the criterion at Vissner Road and Depot Road during 2/92 and 3/92. Dickes, 1992, 2 excursions beyond the upper criterion at station F13 during 2/92 and 3/92.						Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
1	**10365**	**4A**	**DEPOT ROAD DITCH**	**NK26OD**	**0.028**	**40N**	**03E** **17**	**Fecal Coliform**	**Water**
			Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station FT2 shows the following: 7 of 22 samples (31.8%) exceeded the percentile criterion in 2002; 3 of 16 samples (18.8%) exceeded the percentile criterion in 2003. Northwest Indian College unpublished data from station NWIC-FT2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 404 cfu/100mL from 5 samples collected in 1999. Erickson, 1995. station DP1 (DEPOT RD. DP1) shows 1 single samples exceed the geometric mean criterion out of 2 samples collected during 1994. Erickson, 1995. station DP1 (DEPOT RD. DP1) shows 3 single samples exceed the geometric mean criterion out of 3 samples collected during 1993.					Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	**6621**	**4A**	**DOUBLE DITCH DRAIN**	**LN43IE**	**8.583**	**40N**	**03E** **06**	**Fecal Coliform**	**Water**
			Dickes, 1992 , 2 excursions beyond the upper criterion at station F9 during 2/92 and 3/92.					Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	**6628**	**4A**	**DOUBLE DITCH DRAIN**	**RC87WC**	**3.644**	**40N**	**03E** **06**	**Fecal Coliform**	**Water**
			Dickes, 1992. 2 excursions beyond the upper criterion at station F10 (West Double Ditch) during 2/92 and 3/92. Erickson, 1995. station DDE2 (DOUBLE DITCH RD. E2) shows a geometric mean of 487 cfu/100mL with 100% exceeding the percentile criterion out of 5 samples collected during 1993. Erickson, 1995. station DDE2 (DOUBLE DITCH RD. E2) shows 3 single samples exceed the geometric mean criterion out of 3 samples collected during 1994.					Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
1	**6629**	**4A**	**DOUBLE DITCH DRAIN**	**LN43IE 13.355 40N 03E 19**	**Fecal Coliform**	**Water**
			Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station DD2 shows the following: 5 of 25 samples (20.0%) exceeded the percentile criterion in 2002; 2 of 18 samples (11.1%) exceeded the percentile criterion in 2003.		Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
			Northwest Indian College unpublished data from station NWIC-DD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 181 cfu/100mL from 5 samples collected in 1999.			
			Erickson, 1995. station DDE1 (DOUBLE DITCH RD. E1) shows 2 single samples exceed the geometric mean criterion out of 3 samples collected during 1994.			
			Erickson, 1995. station DDW1 (DOUBLE DITCH RD. W1) shows 3 single samples exceed the geometric mean criterion out of 3 samples collected during 1994.			
			Erickson, 1995. station DDE1 (DOUBLE DITCH RD. E1) shows a geometric mean of 362 cfu/100mL with 100% exceeding the percentile criterion out of 5 samples collected during 1993.			
			Erickson, 1995. station DDW1 (DOUBLE DITCH RD. W1) shows a geometric mean of 989 cfu/100mL with 100% exceeding the percentile criterion out of 5 samples collected during 1993.			
			Dickes, 1992. 2 excursions beyond the upper criterion at station F2E (East Double Ditch) during 2/92 and 3/92.			
1	**6631**	**4A**	**DOUBLE DITCH DRAIN**	**RC87W 0 40N 03E 19 C**	**Fecal Coliform**	**Water**
			Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station DD1 shows the following: 6 of 24 samples (25.0%) exceeded the percentile criterion in 2002.		Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
			Northwest Indian College unpublished data from station NWIC-DD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 118 cfu/100mL from 5 samples collected in 1999.			
			Dickes, 1992. 4 excursions beyond the upper criterion at station F3W (West Double Ditch) during 2/92 and 3/92.			
1	**10360**	**4A**	**DOUBLE DITCH DRAIN**	**LN43IE 10.159 40N 03E 07**	**Fecal Coliform**	**Water**
			Erickson, 1995. station DDE2 (DOUBLE DITCH RD. E2) shows a geometric mean of 487 cfu/100mL with 100% exceeding the percentile criterion out of 5 samples collected during 1993. Erickson, 1995. station DDE2 (DOUBLE DITCH RD. E2) shows 3 single samples exceed the geometric mean criterion out of 3 samples collected during 1994.		Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis				Remarks		
1	10361	4A	**DOUBLE DITCH DRAIN**	**LN43IE**	**7.498**	**41N 03E 31**		**Fecal Coliform**	**Water**
			Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station DD6 shows the following: 3 of 25 samples (12.0%) exceeded the percentile criterion in 2002. Northwest Indian College unpublished data from station NWIC-DD6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 100 cfu/100mL from 5 samples collected in 1999. Erickson, 1995. station DDE3 (DOUBLE DITCH RD. E3) shows 2 single samples exceed the geometric mean criterion out of 2 samples collected during 1994. Erickson, 1995. station DDE3 (DOUBLE DITCH RD. E3) shows a geometric mean of 204 cfu/100mL with 100% exceeding the percentile criterion out of 5 samples collected during 1993.				Nooksack River Fecal Coliform TMDL approved 08-Aug-00.		
1	39079	4A	**DOUBLE DITCH DRAIN**	**RC87WC**	**5.223**	**41N 03E 31**		**Fecal Coliform**	**Water**
			Northwest Indian College unpublished data from station NWIC-DD5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 106 cfu/100mL from 5 samples collected in 1999. Erickson, 1995. station DDW3 (DOUBLE DITCH RD. W3) shows 3 single samples exceed the geometric mean criterion out of 3 samples collected during 1994. Erickson, 1995. station DDW3 (DOUBLE DITCH RD. W3) shows 4 single samples exceed the geometric mean criterion out of 4 samples collected during 1993.				Nooksack River Fecal Coliform TMDL approved 08-Aug-00.		
1	6635	4A	**DUFFNER DITCH**	**MI36KN**	**4.303**	**40N 02E 24**		**Fecal Coliform**	**Water**
			Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station DF3 shows 3 of 15 samples (20.0%) exceeded the percentile criterion in 2002. Northwest Indian College unpublished data from station NWIC-DF3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 105 cfu/100mL from 5 samples collected in 1999. Dickes, 1992, 4 excursion beyond the upper criterion at station B15 (Lynden Road and Flynn Road) on Duffner Ditch.				Name changed on 02/28/05 from BERTRAND CREEK to DUFFNER DITCH, then consolidated with Listing IDs 39087 and 42452. -kk Nooksack River Fecal Coliform TMDL approved 08-Aug-00.		
1	6636	4A	**DUFFNER DITCH**	**KG72JQ**	**0**	**40N 02E 13**		**Fecal Coliform**	**Water**
			Dickes, 1992. = 4 excursion beyond the upper criterion at station B8E (Guide Meridian and Badger Road east)				Nooksack River Fecal Coliform TMDL approved 08-Aug-00.		

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
1	6616	4A	**FISHTRAP CREEK**	**RN53NC 1.836 40N 02E 25**	**Fecal Coliform**	**Water**
			Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station F2 shows the following: 8 of 24 samples (33.3%) exceeded the percentile criterion in 2002; 6 of 19 samples (31.6%) exceeded the percentile criterion in 2003; a geometric mean of 124.1 cfu/100mL from 8 samples collected in 2004 exceeded the criterion. Northwest Indian College unpublished data from station NWIC-F2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 456 cfu/100mL from 35 samples collected in 1999. Northwest Indian College unpublished data from station NWIC-F2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 67 cfu/100mL from 4 samples collected in 1998. U.S.Geological Survey data from NWIS database station 12212100 (Fishtrap Cr at Flynn rd at Lynden) shows a geometric mean of 1000 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1998. Erickson, 1995. station FC1 (FISHTRAP CREEK FC1) shows 3 single samples exceed the geometric mean criterion out of 3 samples collected during 1994. Erickson, 1995. station FC1 (FISHTRAP CREEK FC1) shows a geometric mean of 682 cfu/100mL with 100% exceeding the percentile criterion out of 7 samples collected during 1993. Dickes, 1992. 2 excursions beyond the upper criterion at station F1 during 2/92 and 3/92.	Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	6620	4A	**FISHTRAP CREEK**	**RN53NC 10.08 40N 03E 09**	**Fecal Coliform**	**Water**
			Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station FT4 shows the following: 6 of 25 samples (24.0%) exceeded the percentile criterion in 2002; 3 of 19 samples (15.8%) exceeded the percentile criterion in 2003. Northwest Indian College unpublished data from station NWIC-FT4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 186 cfu/100mL from 5 samples collected in 1999. Dickes, 1992, 2 excursions beyond the upper criterion at station F6 during 2/92 and 3/92.	Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	10368	4A	**FISHTRAP CREEK**	**RN53NC 8.584 40N 03E 16**	**Fecal Coliform**	**Water**
			Erickson, 1995. station FC2 (FISHTRAP CREEK FC2) shows a geometric mean of 594 cfu/100mL with 100% exceeding the percentile criterion out of 5 samples collected during 1993. Erickson, 1995. station FC2 (FISHTRAP CREEK FC2) shows 3 single samples exceed the geometric mean criterion out of 4 samples collected during 1994.	Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	7081	4A	**JOHNSON CREEK**	**PL43AX 2.392 40N 04E 03**	**Dissolved oxygen**	**Water**
			Dickes, 1992. 3 excursions beyond the criterion out of 4 samples (75%) collected at station J2 (on Halverstick Road) in 1992.	Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.		
1	7082	4A	**JOHNSON CREEK**	**PL43AX 0 41N 04E 35**	**Dissolved oxygen**	**Water**
			Dickes and Merrill, 1990. 4 excursions beyond the criterion out of 7 samples (57%) collected at station J1 (RM 1.1) during 1988 and 1989.	Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.		

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
1	**7083**	**4A**	**JOHNSON CREEK**	**PL43AX 13.493 40N 04E 18**	**Dissolved oxygen**	**Water**
			Dickes, 1992. 4 excursions beyond the criterion out of 4 samples (100%) collected at station J8 (on E. Badger Road) in 1992.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**7086**	**4A**	**JOHNSON CREEK**	**PL43AX 5.796 40N 04E 04**	**Dissolved oxygen**	**Water**
			Dickes and Merrill, 1990. 7 excursions beyond the criterion out of 7 samples (100%) collected at station J4 (RM 3.5) during 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**7087**	**4A**	**JOHNSON CREEK**	**PL43AX 9.274 40N 04E 05**	**Dissolved oxygen**	**Water**
			Dickes and Merrill, 1990. 4 excursions beyond the criterion out of 7 samples (57%) collected at station J5 (RM 5.8) during 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**7088**	**4A**	**JOHNSON CREEK**	**PL43AX 10.333 40N 04E 08**	**Dissolved oxygen**	**Water**
			Dickes and Merrill, 1990. 4 excursions beyond the criterion out of 7 samples (57%) collected at station J6 (RM 6.4) during 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**7089**	**4A**	**JOHNSON CREEK**	**PL43AX 12.778 40N 04E 17**	**Dissolved oxygen**	**Water**
			Dickes and Merrill, 1990. 6 excursions beyond the criterion out of 7 samples (86%) collected at station J7 (RM 6.8) during 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6599**	**4A**	**JOHNSON CREEK**	**PL43AX 2.392 40N 04E 03**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 4 excursions beyond the upper criterion at station J3 (RM 2.8) in 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6603**	**4A**	**JOHNSON CREEK**	**PL43AX 10.333 40N 04E 08**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 5 excursions beyond the upper criterion at station J6 (RM 6.4) in 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6604**	**4A**	**JOHNSON CREEK**	**PL43AX 12.778 40N 04E 17**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 5 excursions beyond the upper criterion at station J7 (RM 6.8) in 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6605**	**4A**	**JOHNSON CREEK**	**PL43AX 13.493 40N 04E 18**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 5 excursions beyond the upper criterion at station J8 (RM 8.0) in 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
1	**6607**	**4A**	**JOHNSON CREEK**	**PL43AX**	**0**	**41N**	**04E 35**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 6 excursions beyond the upper criterion at station J1 (RM 1.1) in 1988 and 1989.					Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6608**	**4A**	**JOHNSON CREEK**	**PL43AX**	**9.274**	**40N**	**04E 05**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 6 excursions beyond the upper criterion at station J5 (RM 5.8) in 1988 and 1989.					Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6612**	**4A**	**JOHNSON CREEK**	**PL43AX**	**5.796**	**40N**	**04E 04**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 7 excursions beyond the upper criterion at station J4 (RM 3.5) in 1988 and 1989.					Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**7093**	**4A**	**KAMM (STICKNEY) SLOUGH**	**LS95QH**	**1.096**	**40N**	**03E 21**	**Fecal Coliform**	**Water**
			Tetra Tech, 1989 , 6 excursions beyond the criterion at RM 0.6, (geom. mean with sample size of 1) between 10/88 and 9/89.; Mathews, et al. 1994, and Mathews, et al. 1995, samples beyond the upper criterion at Site 25 (RM 0.6) in 1994 & 1995					Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
1	**7109**	**4A**	**KAMM (STICKNEY) SLOUGH**	**LS95QH 3.195 40N 03E 22**	**Fecal Coliform**	**Water**
			Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station K2 shows the following: 3 of 25 samples (12.0%) exceeded the percentile criterion in 2002; 4 of 19 samples (21.1%) exceeded the percentile criterion in 2003. Northwest Indian College unpublished data from station NWIC-K2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 338 cfu/100mL from 34 samples collected in 1999. Northwest Indian College unpublished data from station NWIC-K2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 217 cfu/100mL from 5 samples collected in 1998. Western Washington University unpublished data from station WWU-27 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 19 cfu/100mL from 3 samples collected in 1998. Western Washington University unpublished data from station WWU-27 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 111 cfu/100mL from 27 samples collected in 1997. Western Washington University unpublished data from station WWU-27 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 145 cfu/100mL from 25 samples collected in 1996. Western Washington University unpublished data from station WWU-27 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 287 cfu/100mL from 26 samples collected in 1995. Western Washington University unpublished data from station WWU-27 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 153 cfu/100mL from 25 samples collected in 1994. Western Washington University unpublished data from station WWU-27 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 123 cfu/100mL from 24 samples collected in 1993. Mathews, et al. 1994, and Mathews, et al. 1995, samples beyond the upper criterion at Northwood Road (RM 0.5) in 1994 & 1995 Tetra Tech, 1989, 7 excursions beyond the criterion (geom. mean with sample size of 1) at RM 0.5 between 11/88 and 9/89.		Name administratively changed from MORMON DITCH to KAMM (STICKNEY) SLOUGH, preferred name is STICKNEY SLOUGH. -kk Nooksack River Fecal Coliform TMDL approved 08-Aug-00.

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
1	**7095**	**4A**	**KAMM CREEK**	**AC76JK 0.46 40N 03E 15**	**Fecal Coliform**	**Water**
			Western Washington University unpublished data from station WWU-23 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 36 cfu/100mL from 3 samples collected in 1998. Western Washington University unpublished data from station WWU-23 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 486 cfu/100mL from 27 samples collected in 1997. Western Washington University unpublished data from station WWU-23 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 723 cfu/100mL from 26 samples collected in 1996. Western Washington University unpublished data from station WWU-23 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 616 cfu/100mL from 25 samples collected in 1995. Western Washington University unpublished data from station WWU-23 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 1179 cfu/100mL from 25 samples collected in 1994. Western Washington University unpublished data from station WWU-23 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 449 cfu/100mL from 24 samples collected in 1993. U.S. Geological Survey unpublished data from station 12211390 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 4000 cfu/100mL from 1 samples collected in 1998. Mathews, et al. 1994, and Mathews, et al. 1995, samples beyond the upper criterion at Site 23 (RM 3.1) in 1994 & 1995. Tetra Tech, 1989 , 8 excursions at RM 3.1, (geom. mean with sample size of 1) between 10/88 and 9/89.	Administrative name change from KAMM (STICKNEY) SLOUGH to KAMM CREEK 01/24/05. -kk Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	**7110**	**4A**	**NOOKSACK RIVER**	**ZA83VD 2.918 38N 02E 08**	**Fecal Coliform**	**Water**
			Cochran, 1990. samples collected exceed the geometric mean criterion at RM 1.5 between 1988 and 1990. Joy (2000) station RM2 (Nooksack RM2) shows the geometric mean of 60 does not exceed the criterion and that 100 % of the samples exceeds the percentile criterion from 4 samples collected during 1997.; ;	Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
1	9734	4A	**NOOKSACK RIVER**	**ZA83VD 6.181 39N 02E 32**	**Fecal Coliform**	**Water**
			Hallock (2004), Dept. of Ecology ambient station 01A050 shows 1 of 11 samples (9.1%) in year 2002 exceeded the percentile criterion and 1 of 12 samples (8.3%) in year 2003 exceeded the percentile criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01A050 (Nooksack R. at Brennen) shows a geometric mean of 19 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 10 samples collected during 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01A050 (Nooksack R. at Brennen) shows a geometric mean of 26 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 2000. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01A050 (Nooksack R. at Brennen) shows a geometric mean of 36 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 13 samples collected during 1999. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01A050 (Nooksack R. at Brennen) shows a geometric mean of 54 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1998. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01A050 (Nooksack R. at Brennen) shows a geometric mean of 77 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1997. Joy (2000) station RM4 (Nooksack RM4) shows the geometric mean of 80 does not exceed the criterion and that 100% of the samples exceeds the percentile criterion from 4 samples collected during 1997. Joy (2000) station RM4.5 (Nooksack River RM4.5) shows the geometric mean of 50 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1997. Joy (2000) station RM5 (Nooksack RM5) shows the geometric mean of 73 does not exceed the criterion and that 100% of the samples exceeds the percentile criterion from 8 samples collected during 1997. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01A050 (Nooksack R. at Brennen) shows a geometric mean of 90 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 6 samples collected during 1996. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01A050 (Nooksack R. at Brennen) shows a geometric mean of 65 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 1995. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01A050 (Nooksack R. at Brennen) shows a geometric mean of 59 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1994. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01A050 (Nooksack R. at Brennen) shows a geometric mean of 30 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 1993.		Nooksack River Fecal Coliform TMDL approved 08-Aug-00.
1	7114	4A	**PANGBORN CREEK**	**PJ69OE 1.37 40N 04E 06**	**Dissolved oxygen**	**Water**
			Dickes and Merrill, 1990. 3 excursions beyond the criterion out of 7 samples (43%) collected at station P2 (RM 0.7) during 1988 and 1989.			Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
1	**7117**	**4A**	**PANGBORN CREEK**	**PJ69OE 3.02 40N 03E 01**	**Dissolved oxygen**	**Water**
			Dickes and Merrill, 1990. 7 excursions beyond the criterion out of 7 samples (100%) collected at station P3 (RM 1.5) during 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6600**	**4A**	**PANGBORN CREEK**	**PJ69OE 3.02 40N 03E 01**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 4 excursions beyond the upper criterion at station P3 (RM 1.5) in 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6609**	**4A**	**PANGBORN CREEK**	**PJ69OE 0 40N 04E 08**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 6 excursions beyond the upper criterion at station P1 (RM 0.1) in 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6610**	**4A**	**PANGBORN CREEK**	**PJ69OE 1.37 40N 04E 06**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 6 excursions beyond the upper criterion at station P2 (RM 0.7) in 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**5831**	**4A**	**SQUAW CREEK**	**GF74PM 0 40N 04E 08**	**Dissolved oxygen**	**Water**
			Dickes and Merrill, 1990. 4 excursions beyond the criterion out of 7 samples (57%) collected at station S1 (RM 0.2) during 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6597**	**4A**	**SQUAW CREEK**	**GF74PM 2.698 40N 03E 12**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 3 excursions beyond the upper criterion at station S3 (RM 1.4) in 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6598**	**4A**	**SQUAW CREEK**	**BL51HE 0.753 40N 03E 11**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 3 excursions beyond the upper criterion at station S4 (RM 2.7) in 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6601**	**4A**	**SQUAW CREEK**	**GF74PM 0 40N 04E 08**	**Fecal Coliform**	**Water**
			Dickes and Merrill, 1990. 4 excursions beyond the upper criterion at station S1 (RM 0.2) in 1988 and 1989.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6611**	**4A**	**SQUAW CREEK**	**GF74PM 0.19 40N 04E 07**	**Fecal Coliform**	**Water**
			Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station SQ shows the following: 3 of 24 samples (12.5%) exceeded the percentile criterion in 2002; 5 of 19 samples (26.3%) exceeded the percentile criterion in 2003.		Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
			Dickes and Merrill, 1990. 6 excursions beyond the upper criterion at station S2 (RM 0.7) in 1988 and 1989.			

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
1	**6396**	**4A**	**SUMAS CREEK**	**RH90VQ**	**0**	**41N**	**04E 34**	**Fecal Coliform**	**Water**
			U.S.Geological Survey data from NWIS database station 12214990 (Sumas Cr at Johnson St. at Sumas) shows a geometric mean of 2200 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1998. U.S. Geological Survey unpublished data from station 12214990 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 2200 cfu/100mL from 1 samples collected in 1998.					Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**6615**	**4A**	**SUMAS CREEK**	**MS54MP**	**33.311**	**41N**	**04E 35**	**Fecal Coliform**	**Water**
			Dickes, 1992. 2 excursions beyond the upper criterion at the confluence with Johnson Creek in 1992.					Johnson Creek Dissolved Oxygen and Fecal Coliform TMDL approved 06-28-00.	
1	**5835**	**4A**	**TENNANT CREEK**	**EL82JG**	**0**	**38N**	**02E 04**	**Fecal Coliform**	**Water**
			Silver Creek Watershed Management Committee, 1989. , 4 excursions beyond the criterion at Site 4 (RM 1.0) in 1988.; Western Washington University (1993), 6 excursions beyond the upper criterion between 7/91 and 5/93 at Site 4 (RM 1.0).					Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
1	**7096**	**4A**	**UNNAMED CREEK**	**QG38LP**	**0.022**	**40N**	**03E 11**	**Fecal Coliform**	**Water**
			Tetra Tech, 1989 ,7 excursions at RM 4.0 (geom. mean with sample size of 1) between 10/88 and 9/89. Tetra Tech, 1989 ,single sample with a high value at RM 4.5.					Administrative name change from KAMM (STICKNEY) SLOUGH to UNNAMED CREEK 01/24/05. -kk Nooksack River Fecal Coliform TMDL approved 08-Aug-00.	
3	**7136**	**4A**	**CARPENTER CREEK**	**YA61IC**	**0**	**33N**	**04E 30**	**Fecal Coliform**	**Water**
			Entranco, 1993, samples collected exceed both criteria on Carpenter/Fisher Creek at the mouth between 1991 and 1992. Pickett (1997) station Skagit34 (Carpenter/Fisher Creeks (CARPCK)) shows the geometric mean of 116 exceeds the criterion and that 0 % of the samples does not exceed the percentile criterion from 2 samples collected during 1994.; Pickett (1997) station Skagit34 (Carpenter/Fisher Creeks (CARPCK)) shows the geometric mean of 88 does not exceed the criterion and that 21 % of the samples exceeds the percentile criterion from 14 samples collected during 1995.;					Skagit River Fecal Coliform TMDL approved 9-1-00.	
3	**7142**	**4A**	**GAGES SLOUGH**	**DY42MK**	**1.264**	**34N**	**03E 12**	**Fecal Coliform**	**Water**
			Entranco, 1993, samples collected exceeded both criteria on Gages Slough at the mouth between 1991 and 1992					Skagit River Fecal Coliform TMDL approved 9-1-00.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
3	**7143**	**4A**	**HANSEN CREEK**	**PU87PF**	**0**	**35N**	**05E 30**	**Fecal Coliform**	**Water**
			Pickett (1997) station Skagit5 (Hansen Creek (HANSNCK)) shows the geometric mean of 98 does not exceed the criterion and that 25% of the samples exceeds the percentile criterion from 16 samples collected during 1995. Pickett (1997) station Skagit5 (Hansen Creek (HANSNCK)) shows the geometric mean of 130 exceeds the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1994. Entranco, 1993. samples collected exceed both criteria on Hansen Creek at the mouth between 1991 and 1992					Skagit River Fecal Coliform TMDL approved 9-1-00.	
3	**7159**	**4A**	**NOOKACHAMPS CREEK**	**LZ60MT**	**1.071**	**34N**	**04E 03**	**Fecal Coliform**	**Water**
			Entranco, 1993, samples collected exceed both criteria on Nookachamps Creek between 1991 and 1992					Skagit River Fecal Coliform TMDL approved 9-1-00.	
5	**6641**	**4A**	**FISH CREEK**	**QJ28UC**	**1.018**	**31N**	**05E 18**	**Fecal Coliform**	**Water**
			Plotnikoff and Michaud, 1991. 3 excursions beyond the upper criterion collected at RM 0.8 between 1988 and 1989. Snohomish County unpublished data from station FISH (NEAR MOUTH ON 5TH AVE NE) shows a geometric mean of 265 cfu/100mL with 63% of samples exceeding the percentile criterion from 8 samples collected in 2002. Snohomish County unpublished data from station FISH (NEAR MOUTH ON 5TH AVE NE) shows a geometric mean of 149 cfu/100mL with 42% of samples exceeding the percentile criterion from 12 samples collected in 1999. Snohomish County unpublished data from station FISH (NEAR MOUTH ON 5TH AVE NE) shows a geometric mean of 149 cfu/100mL with 42% of samples exceeding the percentile criterion from 12 samples collected in 2000. Snohomish County unpublished data from station FISH (NEAR MOUTH ON 5TH AVE NE) shows a geometric mean of 105 cfu/100mL with 18% of samples exceeding the percentile criterion from 11 samples collected in 2001. Snohomish County unpublished data from station FISH (NEAR MOUTH ON 5TH AVE NE) shows a geometric mean of 58 cfu/100mL with 18% of samples exceeding the percentile criterion from 11 samples collected in 1998.					Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by EPA on 6/21/05. -kk Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**7190**	**4A**	**FISH CREEK**	**QJ28UC**	**0**	**31N**	**04E 12**	**Fecal Coliform**	**Water**
			Thornburgh, 1995, 46% of samples show excursions beyond the percentile criterion.					Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by EPA on 6/21/05. -kk	
5	**7193**	**4A**	**HARVEY CREEK**	**HD76OJ**	**0**	**32N**	**05E 26**	**Fecal Coliform**	**Water**
			Stillaguamish Tribal data (submitted by Don Klopfer on 10/29/97) show 5 excursions beyond the upper criterion between 1996 and 1997 at the mouth (Armstrong Creek confluence) on Harvey Creek RM 0.05.					Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by EPA on 6/21/05. -kk Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
5	**7241**	**4A**	**HAT SLOUGH**	**ZO73WL 2.947 31N 04E 05**	**Dissolved oxygen**	**Water**
			Paulsen et al. 1991, 7 excursions at RM 2.0 measured between 9/89 and 5/91.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Referenced data on dissolved oxygen is not in the administrative record. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**7242**	**4A**	**HAT SLOUGH**	**ZO73WL 2.236 32N 04E 31**	**Fecal Coliform**	**Water**
			Snohomish County unpublished data from station MSMD (AT MARINE DRIVE) shows a geometric mean of 43 cfu/100mL with 0% of samples exceeding the percentile criterion from 8 samples collected in 2002. Snohomish County unpublished data from station MSMD (AT MARINE DRIVE) shows a geometric mean of 33 cfu/100mL with 0% of samples exceeding the percentile criterion from 11 samples collected in 2001. Snohomish County unpublished data from station MSMD (AT MARINE DRIVE) shows a geometric mean of 40 cfu/100mL with 30% of samples exceeding the percentile criterion from 10 samples collected in 2000. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMARIN (MAINSTEM STILLY @ MARINE DRIVE) shows the geometric mean of 68 does not exceed the criterion and that 28% of the samples exceeds the percentile criterion from 18 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMARIN (MAINSTEM STILLY @ MARINE DRIVE) shows the geometric mean of 32 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 2000. Snohomish County unpublished data from station MSMD (AT MARINE DRIVE) shows a geometric mean of 13 cfu/100mL with 0% of samples exceeding the percentile criterion from 12 samples collected in 1999. Snohomish County unpublished data from station MSMD (AT MARINE DRIVE) shows a geometric mean of 41 cfu/100mL with 9% of samples exceeding the percentile criterion from 11 samples collected in 1998. Thornburgh, 1995, 16% of samples show excursions beyond the percentile criteria at station at Marine Drive.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
5	**7200**	**4A**	**JIM CREEK**	**JU33JU 0.174 31N 06E 08**	**Fecal Coliform**	**Water**
			Stillaguamish Tribal data (submitted by Don Klopfer on 10/29/97) show 4 excursions beyond the upper criterion between 1996 and 1997 at the Jordan Road Bridge on Jim Creek RM 0.1.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by EPA on 6/21/05. -kk Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**7202**	**4A**	**JORGENSON SLOUGH (CHURCH CREEK)**	**GH05SX 1.637 32N 04E 29**	**Fecal Coliform**	**Water**
			Thornburgh, 1995, 40% of the samples show excursions beyond the percentile criterion at a station in Church Creek Park in Stanwood off 72nd Ave. W during 1994 and 1995. Paulsen et al. 1991, excursions beyond the criterion at RM 1.2 (geom. mean of wet season samples) collected between 8/89 and 5/91. Nelson et al. 1991, excursions beyond the criterion at RM 1.2 (geom. mean of both wet season and dry season) from samples collected from 1988-1990. Paulsen et al. 1991, excursions beyond the criterion at RM 2.0, (geom. mean of both wet season and dry season samples) collected between 8/89 and 5/91. Nelson et al. 1991, excursions beyond the criterion at RM 2.0 (geom. mean of both wet season and dry season) from samples collected from 1988-1990.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by EPA on 6/21/05. -kk	
5	**7204**	**4A**	**JORGENSON SLOUGH (CHURCH CREEK)**	**GH05SX 5.093 32N 04E 21**	**Fecal Coliform**	**Water**
			Paulsen et al. 1991, excursions beyond the criterion at RM 3.4, (geom. mean of both wet season and dry season samples) collected between 8/89 and 5/91. Nelson et al. 1991, excursions beyond the criterion at RM 3.4 (geom. mean of both wet season and dry season) from samples collected from 1988-1990.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by EPA on 6/21/05. -kk	
5	**7205**	**4A**	**JORGENSON SLOUGH (CHURCH CREEK)**	**GH05SX 6.581 32N 04E 16**	**Fecal Coliform**	**Water**
			Paulsen et al. 1991, excursions beyond the criterion at RM 4.0 (geom. mean of dry season samples) collected between 8/89 and 5/91. Nelson et al. 1991, excursions beyond the criterion at RM 4.0 (geom. mean of dry season) from samples collected from 1988-1990.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by EPA on 6/21/05. -kk	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
5	**7206**	**4A**	**JORGENSON SLOUGH (CHURCH CREEK)**	**GH05SX 3.404 32N 04E 20**	**Fecal Coliform**	**Water**
			Snohomish County unpublished data from station CCPK (AT CHURCH CREEK PARK) shows a geometric mean of 191 cfu/100mL with 50% of samples exceeding the percentile criterion from 8 samples collected in 2002. Snohomish County unpublished data from station CCPK (AT CHURCH CREEK PARK) shows a geometric mean of 78 cfu/100mL with 8% of samples exceeding the percentile criterion from 12 samples collected in 2001. Snohomish County unpublished data from station CCPK (AT CHURCH CREEK PARK) shows a geometric mean of 140 cfu/100mL with 27% of samples exceeding the percentile criterion from 11 samples collected in 2000. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TCHUPK (CHURCH CREEK AT PARK) shows the geometric mean of 92 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 2000. Snohomish County unpublished data from station CCPK (AT CHURCH CREEK PARK) shows a geometric mean of 172 cfu/100mL with 58% of samples exceeding the percentile criterion from 12 samples collected in 1999. Snohomish County unpublished data from station CCPK (AT CHURCH CREEK PARK) shows a geometric mean of 113 cfu/100mL with 45% of samples exceeding the percentile criterion from 11 samples collected in 1998. Paulsen et al. 1991, excursions beyond the criterion at RM 2.3, (geom. mean of both wet season and dry season samples) collected between 8/89 and 5/91. Nelson et al. 1991, excursions beyond the criterion at RM 2.3 (geom. mean of both wet season and dry season) from samples collected from 1988-1990.	Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by EPA on 6/21/05. -kk	
5	**7211**	**4A**	**MARTHA LAKE CREEK**	**IJ55EP 0.017 31N 03E 13**	**Fecal Coliform**	**Water**
			Stillaguamish Tribal data (submitted by Don Klopfer on 10/29/97) show 3 excursions beyond the upper criterion between 1996 and 1997 at 19607 Soundview Drive on the outflow of Martha Lake (RM 0.1) Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMARTOL (MARTHA LAKE CREEK OUTLET TO BEACH) shows the geometric mean of 247 exceeds the criterion and that 75% of the samples exceeds the percentile criterion from 4 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMARTH (MARTHA LAKE CREEK) shows the geometric mean of 88 does not exceed the criterion and that 38% of the samples exceeds the percentile criterion from 8 samples collected during 2001.	Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by EPA on 6/21/05. -kk Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
5	**7213**	**4A**	**OLD STILLAGUAMISH RIVER**	**QE93BW 0.778 32N 03E 25**	**Fecal Coliform**	**Water**
			Stillaguamish Tribal data (submitted by Don Klopfer on 10/29/97) show 6 excursions beyond the upper criterion between 1996 and 1997 below the Stanwood STP on Old Stillaguamish RM 1.4.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by EPA on 6/21/05. -kk Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**7218**	**4A**	**PORT SUSAN**	**390KRD 48122B3I8 48.185 122.385**	**Fecal Coliform**	**Water**
			Paulsen et al. 1991, excursions beyond the criterion (% of samples greater than 43 col/100ml) at 3 locations along Warm Beach sampled between 9/89 and 5/91.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**7219**	**4A**	**PORTAGE CREEK**	**OT80TY 0 31N 04E 12**	**Dissolved oxygen**	**Water**
			Plotnikoff and Michaud, 1991. 8 excursions beyond the criterion out of 13 samples (62%) collected at RM 1.3 between 1988 and 1989. Thornburgh, 1995. shows excursions beyond the criterion at the downstream station (near the mouth at the 212th Street NE bridge) in 1991, 1992, 1993, and 1994. Snohomish County unpublished data from station PORL (AT 212TH ST NE) show excursions beyond the criterion from measurements collected 1998-2002. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TPORT (PORTAGE CREEK @ 212TH ST BRIDGE) shows 5 excursions beyond the criterion measured on these dates: 00/09/11, 00/09/13, 01/06/13, 01/10/03, 01/11/15,		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
5	**7220**	**4A**	**PORTAGE CREEK**	**OT80TY**	**4.938**	**31N**	**05E 17**	**Dissolved oxygen**	**Water**
			Paulsen et al. 1991. 13 excursions beyond the criterion at RM 3.7 measured between 9/89 and 5/91.					Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Referenced data on dissolved oxygen is not in the administrative record. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**7222**	**4A**	**PORTAGE CREEK**	**OT80TY**	**3.588**	**31N**	**05E 07**	**Dissolved oxygen**	**Water**
			Stillaguamish Indian Tribal data (submitted by Don Klopfer on 8/4/95) show 7 excursions beyond the criterion at the mouth of the North Ditch at RM 2.8 in 1994 and 1995.					Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)	
5	**7223**	**4A**	**PORTAGE CREEK**	**OT80TY**	**6.578**	**31N**	**05E 16**	**Dissolved oxygen**	**Water**
			Snohomish County unpublished data from station PORU (ON 43RD AVE NE) show excursions beyond the criterion from measurements collected 1998-2002. Thornburgh, 1995, shows excursions beyond the criterion at the upstream station (just outside the City of Arlington on 43rd Ave NE Bridge) in 1990, 1992, 1993, and 1994. Paulsen et al. 1991, 14 excursions beyond the criterion at RM5.2 measured between 9/89 and 5/91.					Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Basis from listing ID 40746 rolled in to listing ID 7223. Listing ID 40746 inactivated. 03/31/04 -kk.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
5	**6638**	**4A**	**PORTAGE CREEK**	**OT80TY 6.578 31N 05E 16**	**Fecal Coliform**	**Water**

Plotnikoff and Michaud, 1991. 10 excursions beyond the upper criterion collected at RM 5.2 between 1988 and 1989;

Thornburgh, 1995. 22% of samples show excursions beyond the percentile criteria at the upstream station (just outside the City of Arlington on 43rd Ave NE Bridge)

Snohomish County unpublished data from station PORU (ON 43RD AVE NE) shows a geometric mean of 147 cfu/100mL with 64% of samples exceeding the percentile criterion from 11 samples collected in 1998. Snohomish County unpublished data from station PORU (ON 43RD AVE NE) shows a geometric mean of 172 cfu/100mL with 38% of samples exceeding the percentile criterion from 8 samples collected in 2002. Snohomish County unpublished data from station PORU (ON 43RD AVE NE) shows a geometric mean of 166 cfu/100mL with 36% of samples exceeding the percentile criterion from 11 samples collected in 2001. Snohomish County unpublished data from station PORU (ON 43RD AVE NE) shows a geometric mean of 85 cfu/100mL with 45% of samples exceeding the percentile criterion from 11 samples collected in 2000. Snohomish County unpublished data from station PORU (ON 43RD AVE NE) shows a geometric mean of 95 cfu/100mL with 17% of samples exceeding the percentile criterion from 12 samples collected in 1999.

Snohomish County unpublished data from station PORL (AT 212TH ST NE) shows a geometric mean of 184 cfu/100mL with 64% of samples exceeding the percentile criterion from 11 samples collected in 1998. Snohomish County unpublished data from station PORL (AT 212TH ST NE) shows a geometric mean of 190 cfu/100mL with 50% of samples exceeding the percentile criterion from 12 samples collected in 2001. Snohomish County unpublished data from station PORL (AT 212TH ST NE) shows a geometric mean of 187 cfu/100mL with 50% of samples exceeding the percentile criterion from 8 samples collected in 2002. Snohomish County unpublished data from station PORL (AT 212TH ST NE) shows a geometric mean of 88 cfu/100mL with 33% of samples exceeding the percentile criterion from 12 samples collected in 2000. Snohomish County unpublished data from station PORL (AT 212TH ST NE) shows a geometric mean of 91 cfu/100mL with 18% of samples exceeding the percentile criterion from 11 samples collected in 1999.

Paulsen et al. 1991. Excursions beyond the criterion at RM 5.2 (geom. mean of both wet season and dry season samples) collected between 8/89 and 5/91.

Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp

Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
5	**6639**	**4A**	**PORTAGE CREEK**	**OT80TY 11.548 31N 05E 11**	**Fecal Coliform**	**Water**

Plotnikoff and Michaud, 1991. 10 excursions beyond the upper criterion collected at RM 7.1 between 1988 and 1989.

Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp

Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
5	**6640**	**4A**	**PORTAGE CREEK**	**OT80TY 12.985 31N 05E 14**	**Fecal Coliform**	**Water**
			Plotnikoff and Michaud, 1991. 12 excursions beyond the upper criterion collected at RM 8.1 between 1988 and 1989.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**6642**	**4A**	**PORTAGE CREEK**	**OT80TY 0 31N 04E 12**	**Fecal Coliform**	**Water**
			Plotnikoff and Michaud, 1991. 4 excursions beyond the upper criterion collected at RM 1.3 between 1988 and 1989. Stillaguamish Tribal data (submitted by Don Klopfer on 10/29/97) show 5 excursions beyond the upper criterion between 1996 and 1997 at Burn Road on Portage Creek RM 0.5. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TPORT (PORTAGE CREEK @ 212TH ST BRIDGE) shows the geometric mean of 1539 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 6 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TPORT (PORTAGE CREEK @ 212TH ST BRIDGE) shows the geometric mean of 209 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 2000. Thornburgh, 1995, 22% of samples show excursions beyond the percentile criteria at the downstream station (near the mouth at the 212th Street NE bridge) Stillaguamish Tribal data (submitted by Don Klopfer on 10/29/97) show 6 excursions beyond the upper criterion between 1996 and 1997 at the 212th Street Bridge on Portage Creek RM 0.8.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Data from Stillaguamish Tribe is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**6643**	**4A**	**PORTAGE CREEK**	**OT80TY 4.938 31N 05E 17**	**Fecal Coliform**	**Water**
			Plotnikoff and Michaud, 1991. 7 excursions beyond the upper criterion collected at RM 3.7 between 1988 and 1989.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
5	**6644**	**4A**	**PORTAGE CREEK**	**OT80TY 3.588 31N 05E 07**	**Fecal Coliform**	**Water**
			Plotnikoff and Michaud, 1991. 9 excursions beyond the upper criterion collected at RM 2.5 between 1988 and 1989.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**7234**	**4A**	**PORTAGE CREEK**	**OT80TY 13.896 31N 05E 13**	**Fecal Coliform**	**Water**
			Stillaguamish Tribal data (submitted by Don Klopfer on 10/29/97) show 2 excursions beyond the upper criterion between 1996 and 1997 east of Hwy 9 on Cisco Road on Portage Creek RM 8.5		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**7245**	**4A**	**STILLAGUAMISH RIVER**	**QE93BW 35.996 31N 05E 02**	**Fecal Coliform**	**Water**
			Stillaguamish Tribal data (submitted by Don Klopfer on 10/29/97) show 3 excursions beyond the upper criterion between 1996 and 1997 below the Arlington STP on Stillaguamish RM 17.5 Snohomish County unpublished data from station MSAR (AT HIGHWAY 9 BRIDGE NEAR ARLINGTON) shows a geometric mean of 50 cfu/100mL with 18% of samples exceeding the percentile criterion from 11 samples collected in 2001. Snohomish County unpublished data from station MSAR (AT HIGHWAY 9 BRIDGE NEAR ARLINGTON) shows a geometric mean of 38 cfu/100mL with 14% of samples exceeding the percentile criterion from 7 samples collected in 2002. Snohomish County unpublished data from station MSAR (AT HIGHWAY 9 BRIDGE NEAR ARLINGTON) shows a geometric mean of 24 cfu/100mL with 0% of samples exceeding the percentile criterion from 11 samples collected in 1998. Snohomish County unpublished data from station MSAR (AT HIGHWAY 9 BRIDGE NEAR ARLINGTON) shows a geometric mean of 21 cfu/100mL with 0% of samples exceeding the percentile criterion from 11 samples collected in 1999. Snohomish County unpublished data from station MSAR (AT HIGHWAY 9 BRIDGE NEAR ARLINGTON) shows a geometric mean of 18 cfu/100mL with 0% of samples exceeding the percentile criterion from 11 samples collected in 2000. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TCONFL (CONFLUENCE OF N AND S STILLY FORKS) shows the geometric mean of 45 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 2 samples collected during 2000.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
5	**8221**	**4A**	**STILLAGUAMISH RIVER**	**QE93BW 23.077 31N 05E 06**	**Fecal Coliform**	**Water**

Hallock (2004), Dept. of Ecology ambient station 05A070 shows 1 of 12 samples (8.3%) in year 2002 exceeded the percentile criterion.

Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp

Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMS11 (MAIN STILLY CHANNEL AT I-5 BRIDGE) shows the geometric mean of 182 exceeds the criterion and that 60% of the samples exceeds the percentile criterion from 5 samples collected during 2001.

Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TMS11 (MAIN STILLY CHANNEL AT I-5 BRIDGE) shows the geometric mean of 36 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 4 samples collected during 2000.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A070 (Stillaguamish R. near Silvana) shows a geometric mean of 12 does not exceed the criterion and that 10% of the samples does not exceed the percentile criterion from 10 samples collected during 2001.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A070 (Stillaguamish R. near Silvana) shows a geometric mean of 18 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 2000.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A070 (Stillaguamish R. near Silvana) shows a geometric mean of 18 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 13 samples collected during 1999.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A070 (Stillaguamish R. near Silvana) shows a geometric mean of 21 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 13 samples collected during 1998.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A070 (Stillaguamish R. near Silvana) shows a geometric mean of 29 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1997.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A070 (Stillaguamish R. near Silvana) shows a geometric mean of 36 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 5 samples collected during 1996.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A070 (Stillaguamish R. near Silvana) shows a geometric mean of 27 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 11 samples collected during 1995.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A070 (Stillaguamish R. near Silvana) shows a geometric mean of 24 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1994.

Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A070 (Stillaguamish R. near Silvana) shows a geometric mean of 30 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1993.

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
5	**7246**	**4A**	**STILLAGUAMISH RIVER, N.F.**	**WO38NV 0**	**31N**	**05E**	**02**	**Fecal Coliform**	**Water**
			Paulsen et al. 1991, 19% of 17 samples collected between 9/89 and 5/91 at RM 0.5 were greater than 200 col/100ml. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TNFTWI (N FORK STILLY @ TWIN RIVERS PARK) shows the geometric mean of 61 does not exceed the criterion and that 25 % of the samples exceeds the percentile criterion from 4 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TNFTWI (N FORK STILLY @ TWIN RIVERS PARK) shows the geometric mean of 22 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 6 samples collected during 2000.					Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**7250**	**4A**	**STILLAGUAMISH RIVER, N.F.**	**WO38NV 26.448**	**32N**	**07E**	**10**	**Fecal Coliform**	**Water**
			Stillaguamish Tribal data (submitted by Don Klopfer on 10/29/97) show 2 excursions beyond the upper criterion on 5/14/96 and 9/17/97 at Whitman Bridge on Nork Fork Stillaguamish RM 17.6. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TNFWHI (N FORK STILLY @ WHITMAN BRIDGE) shows the geometric mean of 4 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 6 samples collected during 2000. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TNFWHI (N FORK STILLY @ WHITMAN BRIDGE) shows the geometric mean of 23 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 5 samples collected during 2001.					Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**7251**	**4A**	**STILLAGUAMISH RIVER, N.F.**	**WO38NV 33.246**	**32N**	**08E**	**07**	**Fecal Coliform**	**Water**
			Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TNFCPO (N FORK STILLY @ C-POST BRIDGE) shows the geometric mean of 20 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 4 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TNFCPO (N FORK STILLY @ C-POST BRIDGE) shows the geometric mean of 4 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 1 samples collected during 2000. Stillaguamish Tribal data (submitted by Don Klopfer on 10/29/97) show 2 excursions beyond the upper criterion between 1996 and 1997 at C-Post Bridge on North Fork Stillaguamish RM 20.9					Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
5	**7247**	**4A**	**STILLAGUAMISH RIVER, N.F.**	**XN66YN**	**5.302**	**32N**	**09E 22**	**Temperature**	**Water**
			Sullivan, et al. 1990, 19 excursions beyond the criterion during 8/88 at RM 38.8.					Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Continuous temperature measurements were taken, but data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
5	**7252**	**4A**	**STILLAGUAMISH RIVER, S.F.**	**SN06ZT**	**26.213**	**30N**	**07E 07**	**Dissolved oxygen**	**Water**
			Hallock (2003), Dept. of Ecology ambient station 05A110 shows a total of 1 sample in year 2003 exceeded the criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 05A110 (S. FORK STILLY NEAR GRANITE FALLS) shows 1 excursions beyond the criterion out of 49 samples collected between 1993 - 2001 measured on this date: 95/07/18. Thornburgh, 1995, 18% of samples show excursions beyond the criterion.					Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Changed from Category 2 to Category 5 on 01/21/05 due to consolidation with Listing ID 42785 (cat 2). -kk Information submitted is insufficient to support a Category 5 listing. No raw data appear in the 1995 reference.	
5	**7254**	**4A**	**STILLAGUAMISH RIVER, S.F.**	**SN06ZT**	**28.073**	**30N**	**07E 08**	**Fecal Coliform**	**Water**
			Stillaguamish Tribal data (submitted by Don Klopfer on 10/29/97) show 2 excursions beyond the upper criterion between 1996 and 1997 at Jordan Road (South Fork Stillaguamish RM 35.5).					Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
5	7256	4A	**UNNAMED CREEK WDF# 05.0456**	**LU17DC 0.025 31N 03E 24**	**Fecal Coliform**	**Water**
			Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TUNIDE (UNNAMED CREEK #0456) shows the geometric mean of 290 exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 8 samples collected during 2001. Stillaguamish Tribal data (submitted by Don Klopfer on 10/29/97) show 7 excursions beyond the upper criterion between 1996 and 1997 at 18316 Marine Drive on Unnamed Creek(WDF# 05.0456) RM 0.9.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
6	7257	4A	**PORT SUSAN**	**390KRD 48122C4C0 48.225 122.405**	**Fecal Coliform**	**Water**
			Data from the Dept. of Ecology EIM database for the Project STILTMDL (STILLAGUAMISH TMDL) station 05TJUNIP (JUNIPER BEACH) shows the geometric mean of 17 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 9 samples collected during 2001. Paulsen et al. 1991. , excursions beyond the criterion (% of samples greater than 43 col/100ml) at 3 locations along Juniper Beach sampled between 9/89 and 5/91.		Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp Fecal coliform data from Paulsen et al. 1991 were previously submitted only in hardcopy form.
7	7258	4A	**ALLEN CREEK**	**YT94RF 3.936 30N 05E 22**	**Fecal Coliform**	**Water**
			Thornburgh, et al. 1991. , 52 of 60 single samples exceeding the criterion (both wet and dry season geometric mean excursions beyond the criterion for1987, 1988, 1989 and 1990) at RM 3.3 between 8/87 and 11/90.			Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.
7	7262	4A	**ALLEN CREEK**	**QC54KA 1.975 30N 05E 11**	**Fecal Coliform**	**Water**
			Johnson et al. 2001 show excursions beyond the geometric mean criterion from 3 samples at station ACLU in 2000 and 2001. Johnson et al. 2001 show excursions beyond the geometric mean criterion from 2 samples at station ACLU in 2001. Snohomish County unpublished data from station ACLU (AT 67TH AVE NE AND 112TH ST NE.) shows a geometric mean of 462 cfu/100mL with 50% of samples exceeding the percentile criterion from 12 samples collected in 1999. Snohomish County unpublished data from station ACLU (AT 67TH AVE NE AND 112TH ST NE.) shows a geometric mean of 628 cfu/100mL with 80% of samples exceeding the percentile criterion from 10 samples collected in 1998. Thornburgh, 1996, 70% of samples collected between 1992 - 1995 show excursions beyond the upper criteria at station ACLU. Thornburgh, et al. 1991. 54 of 60 single samples exceeding the criterion (both wet and dry season geometric mean excursions beyond the criterion for 1987, 1988, 1989 and 1990) at RM 4.8.		Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
7	**7264**	**4A**	**ALLEN CREEK**	**YT94RF 1.692 30N 05E 28**	**Fecal Coliform**	**Water**
			Thornburgh, 1996. 27% of samples collected between 1992 -1995 show excursions beyond the upper criteria at station ACLD. Cusimano (1997) station Snodry25 (Allen Creek (ALL20)) shows the geometric mean of 200 exceeds the criterion and that 0% of the samples does not exceed the percentile criterion from 1 samples collected during 1993. Johnson et al. 2001. Show no excursions beyond either criterion at station ACLD in 2000 and 2001. Snohomish County unpublished data from station ACLD (AT 4TH ST. IN MARYSVILLE) shows a geometric mean of 183 cfu/100mL with 60% of samples exceeding the percentile criterion from 10 samples collected in 1998. Snohomish County unpublished data from station ACLD (AT 4TH ST. IN MARYSVILLE) shows a geometric mean of 204 cfu/100mL with 36% of samples exceeding the percentile criterion from 11 samples collected in 1999. Snohomish County unpublished data from station ACLD (AT 4TH ST. IN MARYSVILLE) shows a geometric mean of 96 cfu/100mL with 25% of samples exceeding the percentile criterion from 8 samples collected in 2002. Snohomish County unpublished data from station ACLD (AT 4TH ST. IN MARYSVILLE) shows a geometric mean of 46 cfu/100mL with 17% of samples exceeding the percentile criterion from 12 samples collected in 2000. Snohomish County unpublished data from station ACLD (AT 4TH ST. IN MARYSVILLE) shows a geometric mean of 32 cfu/100mL with 8% of samples exceeding the percentile criterion from 12 samples collected in 2001.	Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.	
7	**40626**	**4A**	**EBEY SLOUGH**	**PR16VH 0 30N 05E 32**	**Dissolved oxygen**	**Water**
			Cusimano (1997) station Snodry27 (Ebbey Slough (EBE27)) shows 0 excursions beyond the criterion out of 4 samples collected between 02/96 - 04/96. Six excursions beyond the criterion at Ecology ambient monitoring station PSS020 between 1985 and 1987.	Snohomish Estuary (Inner) BOD & Ammonia TMDL approved 3-Feb-00. These excursions beyond the criterion are a natural condition no human caused influence due to stratification based on the 6/97 judgement of Jan Newton (Dept. of Ecology).	
7	**7274**	**4A**	**FRENCH CREEK**	**XZ24XU 1.974 28N 06E 29**	**Fecal Coliform**	**Water**
			Thornburgh, et al. 1991. , 64 of 77 single samples exceeding the criterion (both wet and dry season excursions beyond the criterion for 1987, 1988, 1989, and 1990) at RM 1.5 between 8/87 and 11/90. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07R050 (French Cr. near Mouth) shows a geometric mean of 1349 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 2 samples collected during 1996.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07R050 (French Cr. near Mouth) shows a geometric mean of 599 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 3 samples collected during 1995.	Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
7	**7279**	**4A**	**FRENCH CREEK**	**XZ24XU 6.452 28N 06E 27**	**Fecal Coliform**	**Water**
			Thornburgh, et al. 1991. , 38 of 77 single samples exceeding the criterion (dry season geometric mean excursions beyond the criterion for 1987, 1988, and 1990) at RM 4.75, between 8/87 and 11/90.;		Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.	
			Thornburgh, 1996. , 50% of samples collected between 1992 -1995 show excursions beyond the upper criteria at station FCLD.;			
			Snohomish County unpublished data from station FCLD (AT PRIVATE BRIDGE ON DARLINGTON FARM OFF OLD SNOHOMISH MONROE HWY) shows a geometric mean of 188 cfu/100mL with 70% of samples exceeding the percentile criterion from 10 samples collected in 1998. Snohomish County unpublished data from station FCLD (AT PRIVATE BRIDGE ON DARLINGTON FARM OFF OLD SNOHOMISH MONROE HWY) shows a geometric mean of 81 cfu/100mL with 42% of samples exceeding the percentile criterion from 12 samples collected in 1999. Snohomish County unpublished data from station FCLD (AT PRIVATE BRIDGE ON DARLINGTON FARM OFF OLD SNOHOMISH MONROE HWY) shows a geometric mean of 58 cfu/100mL with 33% of samples exceeding the percentile criterion from 12 samples collected in 2000. Snohomish County unpublished data from station FCLD (AT PRIVATE BRIDGE ON DARLINGTON FARM OFF OLD SNOHOMISH MONROE HWY) shows a geometric mean of 31 cfu/100mL with 8% of samples exceeding the percentile criterion from 12 samples collected in 2001. Snohomish County unpublished data from station FCLD (AT PRIVATE BRIDGE ON DARLINGTON FARM OFF OLD SNOHOMISH MONROE HWY) shows a geometric mean of 44 cfu/100mL with 0% of samples exceeding the percentile criterion from 8 samples collected in 2002.			
7	**7280**	**4A**	**FRENCH CREEK**	**XZ24XU 9.653 28N 06E 23**	**Fecal Coliform**	**Water**
			Thornburgh, 1996. , 36% of samples collected between 1992 -1995 show excursions beyond the upper criteria at station FCLU.;		Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.	
			Snohomish County unpublished data from station FCLU (AT 167TH AVE, SOUTH OF WESTWICK ROAD) shows a geometric mean of 166 cfu/100mL with 55% of samples exceeding the percentile criterion from 11 samples collected in 1999. Snohomish County unpublished data from station FCLU (AT 167TH AVE, SOUTH OF WESTWICK ROAD) shows a geometric mean of 114 cfu/100mL with 42% of samples exceeding the percentile criterion from 12 samples collected in 2000. Snohomish County unpublished data from station FCLU (AT 167TH AVE, SOUTH OF WESTWICK ROAD) shows a geometric mean of 162 cfu/100mL with 40% of samples exceeding the percentile criterion from 10 samples collected in 1998. Snohomish County unpublished data from station FCLU (AT 167TH AVE, SOUTH OF WESTWICK ROAD) shows a geometric mean of 54 cfu/100mL with 29% of samples exceeding the percentile criterion from 7 samples collected in 2002. Snohomish County unpublished data from station FCLU (AT 167TH AVE, SOUTH OF WESTWICK ROAD) shows a geometric mean of 76 cfu/100mL with 25% of samples exceeding the percentile criterion from 12 samples collected in 2001.			
7	**21978**	**4A**	**PILCHUCK RIVER**	**NF79WA 1.643 28N 06E 18**	**Fecal Coliform**	**Water**
			Snohomish County unpublished data from station PILR (AT SNOHOMISH ON 6TH ST.) shows a geometric mean of 51 cfu/100mL with 17% of samples exceeding the percentile criterion from 12 samples collected in 2001. Snohomish County unpublished data from station PILR (AT SNOHOMISH ON 6TH ST.) shows a geometric mean of 27 cfu/100mL with 14% of samples exceeding the percentile criterion from 7 samples collected in 2002. Snohomish County unpublished data from station PILR (AT SNOHOMISH ON 6TH ST.) shows a geometric mean of 34 cfu/100mL with 0% of samples exceeding the percentile criterion from 3 samples collected in 1998. Snohomish County unpublished data from station PILR (AT SNOHOMISH ON 6TH ST.) shows a geometric mean of 31 cfu/100mL with 8% of samples exceeding the percentile criterion from 12 samples collected in 1999. Snohomish County unpublished data from station PILR (AT SNOHOMISH ON 6TH ST.) shows a geometric mean of 29 cfu/100mL with 0% of samples exceeding the percentile criterion from 12 samples collected in 2000.		Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.	
			Thornburgh, et al. 1991. , show that both criteria are met at RM 1.8 between 8/87 and 11/90.			
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07B055 (Pilchuck R. at Snohomish) shows a geometric mean of 36 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 1996.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07B055 (Pilchuck R. at Snohomish) shows a geometric mean of 50 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1995.			

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
7	**7298**	**4A**	**QUILCEDA CREEK**	**SR79YG**	**1.713**	**31N**	**05E 35**	**Fecal Coliform**	**Water**
			Thornburgh, et al. 1991. , 24 of 78 single samples exceeding the criterion (dry season geometric mean excursions beyond the criterion for 1987, 1988, and 1990) at Middle Fork RM 3.3					Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.	
7	**7303**	**4A**	**QUILCEDA CREEK**	**SR79YG**	**0**	**31N**	**05E 34**	**Fecal Coliform**	**Water**
			Thornburgh, et al. 1991. , 39 of 65 single samples exceeding the criterion (wet season geometric mean excursions beyond the criterion for 1987 and 1988; dry season geometric mean excursions beyond the criterion for 1987, 1988, 1989, and 1990) at Middle					Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.	
7	**7304**	**4A**	**QUILCEDA CREEK**	**FM31KO**	**0.819**	**30N**	**05E 10**	**Fecal Coliform**	**Water**
			Thornburgh, et al. 1991. , 53 of 61 single samples exceeding the criterion (both wet and dry season geometric mean excursions beyond the criterion for 1987, 1988, 1989, and 1990) at the confluence of East and Middle Forks					Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.	
			Garrigues (1996) station QCREF2 (QUILCEDA MAIN STEM DOWN) shows the geometric mean of 634 exceeds the criterion and that 67 % of the samples exceeds the percentile criterion from 3 samples collected during 1995.; ;						
7	**7305**	**4A**	**QUILCEDA CREEK**	**LY43NC**	**1.337**	**31N**	**05E 29**	**Fecal Coliform**	**Water**
			Thornburgh, et al. 1991. , 18 of 45 single samples exceeding the criterion (wet season geometric mean excursion for 1988; dry season geometric mean excursions beyond the criterion for 1987 and 1990) at West Fork RM 4.0					Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.	
7	**7306**	**4A**	**QUILCEDA CREEK**	**TH58TS**	**4.141**	**30N**	**05E 21**	**Fecal Coliform**	**Water**
			Snohomish County unpublished data from station QCLD (AT 88TH ST NE BRIDGE) shows a geometric mean of 248 cfu/100mL with 57% of samples exceeding the percentile criterion from 7 samples collected in 2002.					Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.	
			Snohomish County unpublished data from station QCLD (AT 88TH ST NE BRIDGE) shows a geometric mean of 176 cfu/100mL with 55% of samples exceeding the percentile criterion from 11 samples collected in 2001.						
			Snohomish County unpublished data from station QCLD (AT 88TH ST NE BRIDGE) shows a geometric mean of 205 cfu/100mL with 55% of samples exceeding the percentile criterion from 11 samples collected in 2000.						
			Snohomish County unpublished data from station QCLD (AT 88TH ST NE BRIDGE) shows a geometric mean of 233 cfu/100mL with 50% of samples exceeding the percentile criterion from 12 samples collected in 1999.						
			Snohomish County unpublished data from station QCLD (AT 88TH ST NE BRIDGE) shows a geometric mean of 426 cfu/100mL with 90% of samples exceeding the percentile criterion from 10 samples collected in 1998.						
			Thornburgh, 1996, 57% of samples collected between 1992 - 1995 show excursions beyond the upper criteria at station QCLD.						
7	**7307**	**4A**	**QUILCEDA CREEK, M.F.**	**MM28XN**	**3.996**	**31N**	**05E 27**	**Fecal Coliform**	**Water**
			Thornburgh, 1996, 39% of samples collected between 1992 - 1995 show excursions beyond the upper criteria at station QCLU.					Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis				Remarks		
7	**7314**	**4A**	**SNOHOMISH RIVER**	**JX50OE**	**20.065**	**28N 06E 32**		**Dissolved oxygen**	**Water**
			Thornburgh, et al. 1991. , 3 excursions beyond the criterion at RM16.5 between 8/87 and 11/90.				Snohomish River Estuary BOD and Ammonia TMDL approved 03-Feb-00.		
7	**7437**	**4A**	**WOODS CREEK**	**FZ74HO**	**0.368**	**27N 07E 06**		**Fecal Coliform**	**Water**
			Thornburgh, et al. 1991. , 66 of 78 single samples exceeding the criterion (dry season geometric mean excursions beyond the criterion for 1987, 1988,1989, and 1990; wet season geometric mean excursions beyond the criterion for 1987, 1989, and 1990) at RM Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07F055 (Woods Creek at Monroe) shows a geometric mean of 81 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1995.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 07F055 (Woods Creek at Monroe) shows a geometric mean of 190 exceeds the criterion and that 0% of the samples does not exceed the percentile criterion from 1 samples collected during 1996.				Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.		
7	**7438**	**4A**	**WOODS CREEK**	**OH07SJ**	**5.772**	**28N 07E 16**		**Fecal Coliform**	**Water**
			Thornburgh, et al. 1991. ,22 of 69 single samples exceeding the criterion (dry season geometric mean excursions beyond the criterion for 1987, 1988, and 1990; wet season geometric mean excursion for 1990) at Woods Creek West Fork RM 3.5				Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.		
7	**7440**	**4A**	**WOODS CREEK**	**FZ74HO**	**7.141**	**28N 07E 34**		**Fecal Coliform**	**Water**
			Thornburgh, et al. 1991. , 20 of 68 single samples exceeding the criterion (dry season geometric mean excursion for 1990) at RM4.2,				Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.		
7	**7441**	**4A**	**WOODS CREEK**	**OH07SJ**	**1.242**	**28N 07E 28**		**Fecal Coliform**	**Water**
			Thornburgh, 1996. , 12% of samples collected between 1992 -1995 show excursions beyond the upper criteria at station WCWF;				Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.		
7	**21980**	**4A**	**WOODS CREEK**	**FZ74HO**	**5.17**	**28N 07E 33**		**Fecal Coliform**	**Water**
			Snohomish County unpublished data from station WCMF (AT YORK HORSE FARM ON YEAGER ROAD.) shows a geometric mean of 76 cfu/100mL with 30% of samples exceeding the percentile criterion from 10 samples collected in 1998. Snohomish County unpublished data from station WCMF (AT YORK HORSE FARM ON YEAGER ROAD.) shows a geometric mean of 36 cfu/100mL with 25% of samples exceeding the percentile criterion from 8 samples collected in 2002. Snohomish County unpublished data from station WCMF (AT YORK HORSE FARM ON YEAGER ROAD.) shows a geometric mean of 42 cfu/100mL with 18% of samples exceeding the percentile criterion from 11 samples collected in 2001. Snohomish County unpublished data from station WCMF (AT YORK HORSE FARM ON YEAGER ROAD.) shows a geometric mean of 37 cfu/100mL with 10% of samples exceeding the percentile criterion from 10 samples collected in 2000. Snohomish County unpublished data from station WCMF (AT YORK HORSE FARM ON YEAGER ROAD.) shows a geometric mean of 36 cfu/100mL with 8% of samples exceeding the percentile criterion from 12 samples collected in 1999. Cusimano (1997) station WCMF (WOODS CREEK MAINSTEM (WCMF)) shows the geometric mean of 8 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 5 samples collected during 1996.; ;				Snohomish River Tributaries Fecal Coliform TMDL approved 09-Aug-01.		

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
8	**15754**	**4A**	**COTTAGE LAKE**	**491TVC 26N 06E 07**	**Total Phosphorus**	**Water**
			Completed Phase I State Clean Lakes Restoration Project in1996: King County and KCM, 1996., whole-lake volume-weighted total phosphorus concentration averaged 105 ug/L. King County Volunteer Citizen Monitoring Program unpublished data show show summer mean epilimnetic total phosphorus exceeded the water quality standards nutrient criterion in 1999, 2000, 2001 and 2002 from samples collected between 1998-2002. Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 24 ug/L derived from the reported Carlson's Trophic State Index value which exceeds the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.	Cottage Lake Total Phosphorus TMDL approved by EPA on 09/03/2004. -kk	
8	**12560**	**4A**	**ISSAQUAH CREEK**	**TF31OB 1.777 24N 06E 21**	**Fecal Coliform**	**Water**
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B130 (Issaquah Creek near Issaquah) shows a geometric mean of 52 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 3 samples collected during 1993.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 08B130 (Issaquah Creek near Issaquah) shows a geometric mean of 128 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1994. King County unpublished data from station 631 (Issaquah Creek RM 1.1) show the geometric mean criterion was exceeded in 1987, 1988, 1989, and 1990.	Changed from Category 5 to Category 4A on 4/14/05. Part of the Issaquah Creek Basin Water Cleanup Plan for Fecal Coliform Bacteria (TMDL), approved by EPA 10/1/04. -kk	
8	**15769**	**4A**	**ISSAQUAH CREEK**	**CZ80NC 1.437 24N 06E 27**	**Fecal Coliform**	**Water**
			King County unpublished data from station A631 (North Fork Issaquah Creek RM 0.8) show the geometric mean criterion was exceeded in 1990.	Changed from Category 5 to Category 4A on 4/14/05. Part of the Issaquah Creek Basin Water Cleanup Plan for Fecal Coliform Bacteria (TMDL), approved by EPA 10/1/04. -kk		
8	**15788**	**4A**	**ISSAQUAH CREEK**	**TF31OB 4.051 24N 06E 28**	**Fecal Coliform**	**Water**
			King County unpublished data from station A632 (Issaquah Creek RM 3.0) show the geometric mean criterion was exceeded in 1987, 1988, 1989, and 1990.	Changed from Category 5 to Category 4A on 4/14/05. Part of the Issaquah Creek Basin Water Cleanup Plan for Fecal Coliform Bacteria (TMDL), approved by EPA 10/1/04. -kk		
8	**7443**	**4A**	**LITTLE BEAR CREEK**	**UT96KR 11.012 27N 05E 15**	**Fecal Coliform**	**Water**
			Thornburgh, 1996. , 68% of samples collected between 1992 -1995 show excursions beyond the upper criteria at station LBLU. Snohomish County unpublished data from station LBLU (AT 51ST ST SE, JUST SOUTH OF 180TH ST SE) shows a geometric mean of 883 cfu/100mL with 100% of samples exceeding the percentile criterion from 6 samples collected in 2002. Snohomish County unpublished data from station LBLU (AT 51ST ST SE, JUST SOUTH OF 180TH ST SE) shows a geometric mean of 554 cfu/100mL with 90% of samples exceeding the percentile criterion from 10 samples collected in 1998. Snohomish County unpublished data from station LBLU (AT 51ST ST SE, JUST SOUTH OF 180TH ST SE) shows a geometric mean of 617 cfu/100mL with 69% of samples exceeding the percentile criterion from 13 samples collected in 2001. Snohomish County unpublished data from station LBLU (AT 51ST ST SE, JUST SOUTH OF 180TH ST SE) shows a geometric mean of 365 cfu/100mL with 67% of samples exceeding the percentile criterion from 12 samples collected in 2000. Snohomish County unpublished data from station LBLU (AT 51ST ST SE, JUST SOUTH OF 180TH ST SE) shows a geometric mean of 242 cfu/100mL with 58% of samples exceeding the percentile criterion from 12 samples collected in 1999.	Part of the Little Bear Creek Fecal Coliform TMDL, approved by EPA 07/01/05. -kk	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
8	**7444**	**4A**	**LITTLE BEAR CREEK**	**UT96KR 5.478 27N 05E 27**	**Fecal Coliform**	**Water**
			Snohomish County unpublished data from station LBLD (AT 228TH ST SE BRIDGE) shows a geometric mean of 628 cfu/100mL with 86% of samples exceeding the percentile criterion from 7 samples collected in 2002.		Part of the Little Bear Creek Fecal Coliform TMDL, approved by EPA 07/01/05. -kk	
			Snohomish County unpublished data from station LBLD (AT 228TH ST SE BRIDGE) shows a geometric mean of 124 cfu/100mL with 42% of samples exceeding the percentile criterion from 12 samples collected in 2001.			
			Snohomish County unpublished data from station LBLD (AT 228TH ST SE BRIDGE) shows a geometric mean of 261 cfu/100mL with 50% of samples exceeding the percentile criterion from 12 samples collected in 2000.			
			Snohomish County unpublished data from station LBLD (AT 228TH ST SE BRIDGE) shows a geometric mean of 287 cfu/100mL with 75% of samples exceeding the percentile criterion from 12 samples collected in 1999.			
			Snohomish County unpublished data from station LBLD (AT 228TH ST SE BRIDGE) shows a geometric mean of 387 cfu/100mL with 80% of samples exceeding the percentile criterion from 10 samples collected in 1998.			
			Thornburgh, 1996. 58% of samples collected between 1992 - 1995 show excursions beyond the upper criteria at station LBLD.			
8	**13132**	**4A**	**LITTLE BEAR CREEK**	**UT96KR 0 26N 05E 09**	**Fecal Coliform**	**Water**
			King County unpublished data from station 478 (Little Bear Creek RM 0.2) show standards were not met each year in samples collected between 1998 and 2002.		Part of the Little Bear Creek Fecal Coliform TMDL, approved by EPA 07/01/05. -kk	
			City of Woodinville unpublished data show the geometric mean of 624 cfu/100mL from 4 samples collected in 1997 at SR-202. City of Woodinville unpublished data show the geometric mean of 397 cfu/100mL from 5 samples collected in 1998 at SR-202. City of Woodinville unpublished data show the geometric mean of 114 cfu/100mL from 8 samples collected in 2000 at SR-202. City of Woodinville unpublished data show the geometric mean of 319 cfu/100mL from 10 samples collected in 2001 at SR-202. City of Woodinville unpublished data show the geometric mean of 300 cfu/100mL from 1 samples collected in 2002 at SR-202.			
			King County unpublished data from station 478 (Little Bear Creek RM 0.2) show standards were not met each year in samples collected between 1998 and 2002.			
8	**7458**	**4A**	**NORTH CREEK**	**SM74QQ 14.67 28N 05E 31**	**Fecal Coliform**	**Water**
			Glenn, 2001. show both the geometric mean criterion and the percentile criterion were exceeded at station NCLU. Thornburgh, 1996. , 44% of samples collected between 1992 -1995 show excursions beyond the upper criteria at station NCLU.		North Creek Fecal Coliform TMDL approved 02-Aug-02.	
			Snohomish County unpublished data from station NCLU (AT MCCOLLUM PARK SOUTH OF EXTENSION SERVICE BUILDING) shows a geometric mean of 266 cfu/100mL with 70% of samples exceeding the percentile criterion from 10 samples collected in 1998. Snohomish County unpublished data from station NCLU (AT MCCOLLUM PARK SOUTH OF EXTENSION SERVICE BUILDING) shows a geometric mean of 243 cfu/100mL with 67% of samples exceeding the percentile criterion from 12 samples collected in 1999. Snohomish County unpublished data from station NCLU (AT MCCOLLUM PARK SOUTH OF EXTENSION SERVICE BUILDING) shows a geometric mean of 206 cfu/100mL with 67% of samples exceeding the percentile criterion from 12 samples collected in 2000. Snohomish County unpublished data from station NCLU (AT MCCOLLUM PARK SOUTH OF EXTENSION SERVICE BUILDING) shows a geometric mean of 191 cfu/100mL with 43% of samples exceeding the percentile criterion from 7 samples collected in 2002. Snohomish County unpublished data from station NCLU (AT MCCOLLUM PARK SOUTH OF EXTENSION SERVICE BUILDING) shows a geometric mean of 79 cfu/100mL with 25% of samples exceeding the percentile criterion from 12 samples collected in 2001.			

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
8	**7459**	**4A**	**NORTH CREEK**	**SM74QQ 2.745 27N 05E 32**	**Fecal Coliform**	**Water**
			Glenn, 2001. show both the geometric mean criterion and the percentile criterion were exceeded at station NCLU. Thornburgh, 1996. , 29% of samples collected between 1992 -1995 show excursions beyond the upper criteria at station NCLD. Snohomish County unpublished data from station NCLD (AT COUNTY LINE, EAST OF 3223 240TH ST SE) shows a geometric mean of 159 cfu/100mL with 67% of samples exceeding the percentile criterion from 9 samples collected in 1998. Snohomish County unpublished data from station NCLD (AT COUNTY LINE, EAST OF 3223 240TH ST SE) shows a geometric mean of 127 cfu/100mL with 42% of samples exceeding the percentile criterion from 12 samples collected in 1999. Snohomish County unpublished data from station NCLD (AT COUNTY LINE, EAST OF 3223 240TH ST SE) shows a geometric mean of 127 cfu/100mL with 36% of samples exceeding the percentile criterion from 11 samples collected in 2001. Snohomish County unpublished data from station NCLD (AT COUNTY LINE, EAST OF 3223 240TH ST SE) shows a geometric mean of 119 cfu/100mL with 36% of samples exceeding the percentile criterion from 11 samples collected in 2000. Snohomish County unpublished data from station NCLD (AT COUNTY LINE, EAST OF 3223 240TH ST SE) shows a geometric mean of 148 cfu/100mL with 33% of samples exceeding the percentile criterion from 6 samples collected in 2002.	North Creek Fecal Coliform TMDL approved 02-Aug-02.	
8	**13138**	**4A**	**TIBBETTS CREEK**	**MB51QQ 0.781 24N 06E 20**	**Fecal Coliform**	**Water**
			King County unpublished data from station A620 (Tibbetts Creek RM 0.4) show standards were not met each year in samples collected between 1998 and 2002.		Changed from Category 5 to Category 4A on 4/14/05. Part of the Issaquah Creek Basin Water Cleanup Plan for Fecal Coliform Bacteria (TMDL), approved by EPA 10/1/04. -kk	
8	**15779**	**4A**	**TIBBETTS CREEK**	**EA48LQ 0 24N 06E 29**	**Fecal Coliform**	**Water**
			King County unpublished data from station A630 (Tibbetts Creek RM 1.0) show no excursions beyond the criterion out of 26 measurements taken between 1991-1997.		Changed from Category 5 to Category 4A on 4/14/05. Part of the Issaquah Creek Basin Water Cleanup Plan for Fecal Coliform Bacteria (TMDL), approved by EPA 10/1/04. -kk	
10	**9856**	**4A**	**SOUTH PRAIRIE CREEK**	**VC19MO 4.682 19N 05E 14**	**Fecal Coliform**	**Water**
			Roberts (2001) station SPCB4 (SOUTH PRAIRIE CREEK AT RTE 162 BRIDGE 4) shows the geometric mean of 293.674126633615 exceeds the criterion and that 66.6666666666667 % of the samples exceeds the percentile criterion from 6 samples collected during 2000.; Roberts (2001) station SPCB4 (SOUTH PRAIRIE CREEK AT RTE 162 BRIDGE 4) shows the geometric mean of 62.820319892481 does not exceed the criterion and that 15.3846153846154 % of the samples exceeds the percentile criterion from 13 samples collected during 2001;		South Prairie Creek Fecal Coliform and Temperature TMDL approved 06-Aug-2003. Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).	
10	**7527**	**4A**	**WILKESON CREEK**	**NX07HW 10.334 19N 06E 34**	**Temperature**	**Water**
			Data collected by the Muckleshoot Indian Tribe (submitted by Chantal Stevens on 10/31/97) show 16 excursions beyond the criterion out of 60 samples (27%) during 8/97 and 9/97 at Wilkenson Creek RM 1.7.		South Prairie Creek Fecal Coliform and Temperature TMDL approved 06-Aug-2003.	
12	**8684**	**4A**	**CHAMBERS CREEK**	**DO71CI 6.107 20N 02E 41**	**Copper**	**Water**
			Serdar, 1997. = excursions beyond the acute criterion for 15 days after application in Lake Steilacoom in June 1996. These excursions were not covered by the short-term modification to the standards given for this application.		Steilacoom Lake and Chambers Creek TMDL for Copper approved 14-FEB-99.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
15	**6958**	**4A**	**UNION RIVER**	**MF56EG**	**0.676**	**23N**	**01W 29**	**Fecal Coliform**	**Water**
			Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station S8 (at Hwy 300) between 8/1/90 and 8/1/91. Ward et al. (2001) station UR1HY300 (UNION RIVER AT THE HIGHWAY 300 BRIDGE) shows the geometric mean of 56.5998189711954 exceeds the criterion and that 30.7692307692308 % of the samples exceeds the percentile criterion from 13 samples collected during 19; ;					Part of Union River TMDL. Approved 8/2/02.	
16	**7659**	**4A**	**PURDY CREEK**	**MJ89JI**	**0.376**	**21N**	**04W 15**	**Fecal Coliform**	**Water**
			Skokomish Indian Tribal data (submitted by Jim Park on 2/23/96) show 3 excursions beyond the criterion at the Bour Bridge between 1995 and 1996.					Part of Skokomish River TMDL. Approved by EPA 10/16/01. -kk	
16	**7660**	**4A**	**PURDY CREEK**	**MJ89JI**	**0**	**21N**	**04W 14**	**Fecal Coliform**	**Water**
			Skokomish Indian Tribal data (submitted by Jim Park on 2/23/96) show 3 excursions beyond the criterion at the mouth between 1995 and 1996. Seiders et al. (2001) station PURBOUR (PURDY CREEK AT E. BOURGAULT RD BRIDGE) shows the geometric mean of 45.9848721521608 does not exceed the criterion and that 33.3333333333333 % of the samples exceeds the percentile criterion from 3 samples collected; Seiders et al. (2001) station PURBOUR (PURDY CREEK AT E. BOURGAULT RD BRIDGE) shows the geometric mean of 32.1076131891617 does not exceed the criterion and that 13.7931034482759 % of the samples exceeds the percentile criterion from 29 samples collected; Seiders et al. (2001) station RODS (RODS CR NR STA IKES) shows the geometric mean of 14.7982871740918 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 6 samples collected during 1999.					Part of Skokomish River TMDL. Approved by EPA 10/16/01. -kk	
16	**7661**	**4A**	**SKOKOMISH RIVER**	**WW06H B**	**1.314**	**21N**	**04W 12**	**Fecal Coliform**	**Water**
			Seiders et al. (2001) station SKOK106B (SKOKOMISH R @ HWY 106 BR @ R BANK) shows the geometric mean of 14.39 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 2000. Seiders et al. (2001) station SKOK106C (SKOKOMISH R AT CTR OF HWY 106 BRIDGE) shows the geometric mean of 11.49 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 2000. Seiders et al. (2001) station SKOK106B (SKOKOMISH R @ HWY 106 BR @ R BANK) shows the geometric mean of 28.91 does not exceed the criterion and that 13.04% of the samples exceeds the percentile criterion from 23 samples collected during 1999. Seiders et al. (2001) station SKOK106C (SKOKOMISH R AT CTR OF HWY 106 BRIDGE) shows the geometric mean of 23.26 does not exceed the criterion and that 27.27 % of the samples exceeds the percentile criterion from 11 samples collected during 1999. Skokomish Indian Tribal data (submitted by Jim Park on 2/23/96) show 1 excursion beyond the criterion at the Hwy 106 bridge between 1995 and 1996.					Part of Skokomish River TMDL. Approved by EPA 10/16/01. -kk	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
16	**16734**	**4A**	**SKOKOMISH RIVER**	**WW06H 7.131 21N 04W 15 B**	**Fecal Coliform**	**Water**
			Hallock (2004), Dept. of Ecology ambient station 16A070 meets tested standards for fecal coliform. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16A070 (Skokomish R. near Potlatch) shows a geometric mean of 6 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16A070 (Skokomish R. near Potlatch) shows a geometric mean of 5 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 2000. Hallock (2001) station 16A070 (Skokomish R. near Potlatch) shows the geometric mean of 8.06 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 2 samples collected during 2000. Hallock (2001) station 16A070 (Skokomish R. near Potlatch) shows the geometric mean of 11.87 does not exceed the criterion and that 10.71% of the samples exceeds the percentile criterion from 28 samples collected during 1999. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16A070 (Skokomish R. near Potlatch) shows a geometric mean of 6 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1999. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16A070 (Skokomish R. near Potlatch) shows a geometric mean of 7 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1998. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16A070 (Skokomish R. near Potlatch) shows a geometric mean of 13 does not exceed the criterion and that 10% of the samples does not exceed the percentile criterion from 10 samples collected during 1997. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16A070 (Skokomish R. near Potlatch) shows a geometric mean of 6 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 6 samples collected during 1996. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16A070 (Skokomish R. near Potlatch) shows a geometric mean of 11 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 10 samples collected during 1995. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16A070 (Skokomish R. near Potlatch) shows a geometric mean of 7 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 12 samples collected during 1994. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 16A070 (Skokomish R. near Potlatch) shows a geometric mean of 16 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1993.		Part of Skokomish River TMDL. Approved by EPA 10/16/01. -kk
16	**40620**	**4A**	**TEN ACRE CREEK**	**UNK000 0 00U 000 00 U**	**Fecal Coliform**	**Water**
			Skokomish Indian Tribal data (submitted by Jim Park on 2/23/96) show 3 excursions beyond the upper criterion on Ten Acre Creek at the Valley Road Bridge between 1995 and 1996.			There is no WASWIS ID for this segment. The stream drains to Purdy Creek /Skokomish River. JB 7-25-03: NO WASWIS ID, HAVE MORE RECENT DATA AND TMDL. TRS 21N-04W-16. Category changed from 5 to 4A on 1/28/04. Part of the Skokomish TMDL. Approved by EPA 10/16/01.

WRIA	Listing ID	Category	Waterbody Name	Location Information					Parameter	Medium
			Basis						Remarks	
16	**40955**	**4A**	**WEAVER CREEK**	**UNK000**	**0**	**00U**	**000 U**	**00**	**Fecal Coliform**	**Water**
			Skokomish Indian Tribal data (submitted by Jim Park on 2/23/96) show 1 excursion beyond the upper criterion on Weaver Creek at the Valley Road Bridge in 8/95.						Category changed from 5 to 4A on 1/28/04. Part of the Skokomish TMDL. Approved by EPA 10/16/01.	
17	**6265**	**4A**	**JACKSON CREEK**	**EL02TD**	**0.075**	**26N**	**02W**	**14**	**Fish Habitat**	**Habitat**
			The following references document habitat alterations: Mayte et al. 1994, several habitat quality scores of 'poor' and 'fair' according to the TFW watershed analysis manual threshold. The following references document impairment of characteristic uses: SASSI, 1993. Summer Chum stock are critical and Coho stock are depressed. The Point No Point Treaty Council submittal letter (dated 2/22/96) states that Coho and Summer Chum salmon stock use Jackson Creek for habitat. Although the documentation cited for showing impaired salmonid stocks (SASSI, 1993) does not specifically show Jackson Creek on the distribution maps, it is reasonable to assume these creeks are used by the stocks affected due to the close proximity to of the creek mouths to the Big Quilcene River. The following references document human-caused contribution to the habitat alterations: Maybe et al. 1994, impacts to fish habitat from timber harvest, residential development, excessive roading, levee construction, and illegal dredging activities.						Part of the Stillaguamish River Basin Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Mercury TMDL, approved by the EPA on 6/21/05 - sp	
			Correa (2002) show that the following measured habitat indicators are factors limiting salmonid uses: Floodplain connectivity, Large woody debris, Pools, Mass wasting, Riparian						This listing was on the 1998 303(d) list, but has been moved to the new Category 4C (impaired by a non-pollutant) based on EPA Guidance for preparing the 2004 Integrated Report.	
									The Limiting Factors Analysis Reports do not meet the QA requirements of Policy 1-11. -kk	
18	**6969**	**4A**	**MATRIOTTI CREEK**	**AZ07IY**	**3.059**	**30N**	**04W**	**03**	**Fecal Coliform**	**Water**
			Clallam County Water Quality Division data (submitted by Joel Freudenthal on 10/7/91) show a geometric mean of 5235 cfu/100mL from 3 samples collected at Cays Road in 1991.						Part of Dungeness River/Matriotti Creek TMDL. Approved 7/22/02.	
			Jamestown S'Klallam Tribe unpublished data from station MAT 1.95 shows a geometric mean of 119 from 4 samples collected in 2002. Jamestown S'Klallam Tribe unpublished data from station MAT 1.95 shows a geometric mean of 100 from 4 samples collected in 2001. Jamestown S'Klallam Tribe unpublished data from station MAT 1.95 shows a geometric mean of 104 from 2 samples collected in 2000.							

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
18	**9914**	**4A**	**MATRIOTTI CREEK**	**AZ07IY 0.381 31N 04W 35**	**Fecal Coliform**	**Water**
			Sargeant (2002) station MAT0.3 (Matriotti Creek (MAT0.3)) shows the geometric mean of 376 exceeds the criterion and that 75 % of the samples exceeds the percentile criterion from 4 samples collected during 1999.; Sargeant (2002) station MAT0.3 (Matriotti Creek (MAT0.3)) shows the geometric mean of 615 exceeds the criterion and that 75 % of the samples exceeds the percentile criterion from 16 samples collected during 2000.;		Part of Dungeness River/Matriotti Creek TMDL. Approved 7/22/02.	
			Jamestown S'Klallam Tribe unpublished data from station MAT 0.30 shows a geometric mean of 168 from 4 samples collected in 2002. Jamestown S'Klallam Tribe unpublished data from station MAT 0.30 shows a geometric mean of 270 from 4 samples collected in 2001. Jamestown S'Klallam Tribe unpublished data from station MAT 0.30 shows a geometric mean of 90 from 4 samples collected in 2000.			
			Clallam County Water Quality Division data (submitted by Joel Freudenthal on 10/7/91) show a geometric mean of 1462 cfu/100mL from 3 samples collected at Olympic Game Farm in 1991.			
			Sargeant (2002) station MAT0.7 (Matriotti Creek (MAT0.7)) shows the geometric mean of 47 does not exceed the criterion and that 25 % of the samples exceeds the percentile criterion from 4 samples collected during 1999.; Sargeant (2002) station MAT0.7 (Matriotti Creek (MAT0.7)) shows the geometric mean of 115 exceeds the criterion and that 38 % of the samples exceeds the percentile criterion from 13 samples collected during 2000.; Sargeant (2002) station MAT1.4 (Matriotti Creek (MAT1.4)) shows the geometric mean of 152 exceeds the criterion and that 27 % of the samples exceeds the percentile criterion from 15 samples collected during 2000.			

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
22	**7736**	**4A**	**CHEHALIS RIVER**	**DS29ZH 2.451 17N 09W 10**	**Fecal Coliform**	**Water**
			Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station GYS004 (Grays Harbor - Chehalis R.) shows a geometric mean of 8 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 10 samples collected during 2000. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station GYS004 (Grays Harbor - Chehalis R.) shows a geometric mean of 10 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 1999. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station GYS004 (Grays Harbor - Chehalis R.) shows a geometric mean of 21 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 9 samples collected during 1998. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station GYS004 (Grays Harbor - Chehalis R.) shows a geometric mean of 37 does not exceed the criterion and that 9% of the samples does not exceed the percentile criterion from 11 samples collected during 1997. 2 excursions beyond the upper criterion out of 93 samples between 1/93 and 10/97 at station GYS004 collected by the Weyerhaeuser Cosmopolis Pump Mill (submitted by Ken Johnson on 10/29/97). Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station GYS004 (Grays Harbor - Chehalis R.) shows a geometric mean of 84 does not exceed the criterion and that 25% of the samples exceed the percentile criterion from 8 samples collected during 1996, with only 1 sample that exceeds the percentile criterion. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station GYS004 (Grays Harbor - Chehalis R.) shows a geometric mean of 42 does not exceed the criterion and that 10% of the samples does not exceed the percentile criterion from 10 samples collected during 1995. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station GYS004 (Grays Harbor - Chehalis R.) shows a geometric mean of 25 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 1994. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station GYS004 (Grays Harbor - Chehalis R.) shows a geometric mean of 24 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 1993. Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station Station GYS004 (Grays Harbor - Chehalis R.) shows a geometric mean of 41 does not exceed the criterion and that 12% of the samples exceed the percentile criterion from 8 samples collected during 1992, with only 1 sample that exceeds the percentile criterion.		Name administratively changed to Chehalis River 0n 01/25/05. This location is upstream of the demarcation between Grays Harbor and Chehalis River. -kk Part of the Grays Harbor TMDL approved 5/9/03.
22	**9951**	**4A**	**CHEHALIS RIVER**	**DS29ZH 22.031 17N 07W 18**	**Fecal Coliform**	**Water**
			Pelletier and Seiders (2000) station 14-CHEH (Chehalis R at Montesano) shows the geometric mean of 37 does not exceed the criterion and that 9 % of the samples does not exceed the percentile criterion from 55 samples collected during 1997.; Pelletier and Seiders (2000) station 14-CHEH (Chehalis R at Montesano) shows the geometric mean of 16 does not exceed the criterion and that 14 % of the samples exceeds the percentile criterion from 21 samples collected during 1998.;		Part of the Grays Harbor TMDL approved 5/9/03.
22	**6581**	**4A**	**HUMPTULIPS RIVER**	**NY74PY 33.588 20N 10W 07**	**Temperature**	**Water**
			Dept. of Ecology unpublished data from core ambient monitoring station 22A070 (Humptulips R. near Humptulips) shows a 7-day mean of daily maximum values of 19.4 for mid-week 11 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 22A070 (HUMPTULIPS RIVER NEAR HUMPTULIPS) shows 1 excursions beyond the criterion out of 63 samples collected between 1993 - 2001 Pelletier and Seiders (2000) station 02-HUMP (Humptulips R nr Humptulips) shows 0 excursions beyond the criterion out of 14 samples collected between 03/97 - 05/98.		Part of the Humptulips River TMDL. Approved 8/8/01.

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis				Remarks		
22	**7737**	**4A**	**HUMPTULIPS RIVER**	**TU95RU 0**	**20N**	**11W 12**		**Temperature**	**Water**
			Washington Dept. of Fish and Wildlife data (submitted by Hal Michael on 14 September 1995) show numerous excursions beyond the criterion at the inflow to the Humptulips Hatchery.				Part of the Humptulips River TMDL. Approved 8/8/01.		
22	**7738**	**4A**	**RABBIT CREEK**	**MV99EG 3.085**	**21N**	**06W 28**		**Temperature**	**Water**
			Rashin and Graber, 1992. , 14 excursions beyond the criterion measured in 1990.				Changed from Category 5 to Category 4A as Part of the Simpson Temperature TMDL, approved by EPA 7/17/00. -kk Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.		
22	**7739**	**4A**	**WILDCAT CREEK**	**QS65DS 4.035**	**18N**	**05W 11**		**Temperature**	**Water**
			Kendra, 1987. 2 excursions beyond the criterion at RM 4.6 and RM 4.7 on 8/26/86 and 8/27/86.				Changed from Category 2 to Category 4A as Part of the Simpson Temperature TMDL, approved by EPA 7/17/00. -kk The daily maximum excursions are for one year only and do not meet the WQ Program Policy 1-11 (updated 9/02) for showing persistent temperature impairment. Listing will be placed in waters of concern category until further study and monitoring indicates the status of the water.		

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
23	**9966**	**4A**	**BERWICK CREEK**	**KB60UI 0 13N 02W 09**	**Fecal Coliform**	**Water**
			Sargeant et al. (2002) station BERW0.0 (BERWICK CK AT MOUTH) shows the geometric mean of 157 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1998.		Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
			Sargeant et al. (2002) station BERW0.0 (BERWICK CK AT MOUTH) shows the geometric mean of 1893 exceeds the criterion and that 85% of the samples exceeds the percentile criterion from 13 samples collected during 1999.			
			Sargeant et al. (2002) station BERW0.6 (BERWICK CK AT LABREE RD) shows the geometric mean of 231 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1998.			
			Sargeant et al. (2002) station BERW0.6 (BERWICK CK AT LABREE RD) shows the geometric mean of 267 exceeds the criterion and that 56% of the samples exceeds the percentile criterion from 16 samples collected during 1999.			
			Sargeant et al. (2002) station BERW1.7 (BERWICK CK AT BOROVEC RD) shows the geometric mean of 361 exceeds the criterion and that 53% of the samples exceeds the percentile criterion from 15 samples collected during 1999.			
			Pickett, 1994. station Cheh-64 (Berwick Creek (@ Chehalis RM 74.5032005)) shows 2 single samples exceed the geometric mean criterion out of 2 samples collected during 1992.			
			Sargeant et al. (2002) station BERW0.75 (BERWICK CREEK (BW0.75)) shows the geometric mean of 970 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1999.			
			Sargeant et al. (2002) station BERW0.50 (BERWICK CREEK (BW0.50)) shows the geometric mean of 500 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1999.			
			Sargeant et al. (2002) station BERW0.25 (BERWICK CREEK (BERW0.25)) shows the geometric mean of 5000 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1999.			
			Sargeant et al. (2002) station BERW0.25 (BERWICK CREEK (BERW0.25)) shows the geometric mean of 290 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 2000.			
			Seiders et al. (2001) station HUNTER (HUNTER CR AT W SKOK VALLEY RD BRIDGE) shows the geometric mean of 14.3430463732887 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 28 samples collected during 1			
23	**7746**	**4A**	**BLACK RIVER**	**GW14B M 0.953 15N 04W 05**	**Temperature**	**Water**
			Pickett, 1994a. 3 excursions beyond the criterion out of 8 samples (38%) at Howanut Road during 1991 and 1992.		Part of the Upper Chehalis River TMDL. Approved 12/4/01.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
23	**9976**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**55.064**	**17N**	**05W 21**	**Fecal Coliform**	**Water**
			Pelletier and Seiders (2000) station 38-PORT (Chehalis R at Porter) shows the geometric mean of 34 does not exceed the criterion and that 5% of the samples does not exceed the percentile criterion from 19 samples collected during 1997.					Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
			Pelletier and Seiders (2000) station 38-PORT (Chehalis R at Porter) shows the geometric mean of 31 does not exceed the criterion and that 14% of the samples exceeds the percentile criterion from 7 samples collected during 1998, with only 1 sample that exceeds the percentile criterion.						
			Pelletier and Seiders (2000) station 43-PORT (Chehalis R at Porter t bank near mouth) shows the geometric mean of 920 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1997.						
23	**10429**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**165.282**	**13N**	**05W 03**	**Fecal Coliform**	**Water**
			Pickett, 1994. station Cheh-85 (Chehalis River (RM 100.5)) shows 4 single samples exceed the geometric mean criterion out of 4 samples collected during 1991.					Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
23	**10430**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**174.963**	**13N**	**05W 34**	**Fecal Coliform**	**Water**
			Pickett, 1994. station Cheh-87 (Chehalis River (RM 106.3)) shows 1 single samples exceed the geometric mean criterion out of 2 samples collected during 1992.					Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
			Pickett, 1994. station Cheh-87 (Chehalis River (RM 106.3)) shows 3 single samples exceed the geometric mean criterion out of 4 samples collected during 1991.						
23	**16753**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**110.293**	**14N**	**02W 07**	**Fecal Coliform**	**Water**
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 23A120 (Chehalis R. at Centralia) shows a geometric mean of 27 does not exceed the criterion and that 22% of the samples exceeds the percentile criterion from 9 samples collected during 1993.					Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
			Pickett, 1994. station Cheh-24 (Chehalis River (RM 66)) shows 3 single samples exceed the geometric mean criterion out of 4 samples collected during 1991. Pickett, 1994. station Cheh-89 (Chehalis River (RM 67.5)) shows a geometric mean of 77 cfu/100mL with 67% exceeding the percentile criterion out of 6 samples collected during 1991. Pickett, 1994. station Cheh-89 (Chehalis River (RM 67.5)) shows 0 single samples exceed the geometric mean criterion out of 2 samples collected during 1992.						

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
23	**16755**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**99.35**	**15N**	**03W 22**	**Fecal Coliform**	**Water**
			Hallock (2004), Dept. of Ecology ambient station 23A100 shows 1 of 12 samples (8.3%) in year 2003 exceeded the percentile criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 23A100 (Chehalis R. at Prather Road) shows a geometric mean of 45 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 1997. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 23A100 (Chehalis R. at Prather Road) shows a geometric mean of 34 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 6 samples collected during 1996, with only 1 sample that exceeds the percentile criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 23A100 (Chehalis R. at Prather Road) shows a geometric mean of 37 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1995. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 23A100 (Chehalis R. at Prather Road) shows a geometric mean of 87 does not exceed the criterion and that 33% of the samples exceeds the percentile criterion from 3 samples collected during 1994.					Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
23	**5869**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**56.535**	**17N**	**05W 28**	**Temperature**	**Water**
			8 excursions beyond the criterion at USGS station 12031000 (at Porter) between 1990 and 1994. Dept. of Ecology unpublished data from core ambient monitoring station 23A070 (Chehalis R. at Porter) shows a 7-day mean of daily maximum values of 22.3 for mid-week 11 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 23A070 (CHEHALIS RIVER AT PORTER) shows 9 excursions beyond the criterion out of 59 samples collected between 1993 - 2001 U.S.Geological Survey data from NWIS database station 12031000 (Chehalis R. at Porter) shows 2 excursions beyond the criterion out of 11 samples collected between 01/93 - 10/00.					Upper Chehalis temperature TMDL approved 4-Dec-01.	
23	**5871**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**120.822**	**14N**	**03W 25**	**Temperature**	**Water**
			Pickett, 1994a. 9 excursions beyond the criterion out of 17 samples (53%) at RM 73.6 in 1991 and 1992.					Upper Chehalis temperature TMDL approved 4-Dec-01.	
23	**5872**	**4A**	**CHEHALIS RIVER**	**HF89DS**	**1.791**	**14N**	**02W 24**	**Temperature**	**Water**
			Pickett, 1994a. 10 excursions beyond the criterion out of 17 samples (59%) at RM 70.7 in 1991 and 1992.					Upper Chehalis temperature TMDL approved 4-Dec-01.	
23	**5873**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**112.922**	**14N**	**02W 18**	**Temperature**	**Water**
			Pickett, 1994a. 11 excursions beyond the criterion out of 17 samples (65%) at RM 69.1 in 1991 and 1992.					Upper Chehalis temperature TMDL approved 4-Dec-01.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
23	**5874**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**110.293**	**14N**	**02W 07**	**Temperature**	**Water**
			Pickett, 1994a. 14 excursions beyond the criterion out of 17 samples (65%) at RM 67.5 in 1991 and 1992. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 23A120 (Chehalis R @ Centralia) shows 1 excursions beyond the criterion out of 9 samples collected between 1993 - 2001 measured on these dates: 93/08/23,					Upper Chehalis temperature TMDL approved 4-Dec-01.	
23	**5875**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**108.614**	**14N**	**03W 12**	**Temperature**	**Water**
			Pickett, 1994a. 6 excursions beyond the criterion out of 14 samples (43%) at RM 66.3 in 1991 and 1992.					Upper Chehalis temperature TMDL approved 4-Dec-01.	
23	**5876**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**73.125**	**16N**	**05W 36**	**Temperature**	**Water**
			Pickett, 1994a. 6 excursions beyond the criterion out of 6 samples (100%) at RM 44.0 in 1991 and 1992.					Upper Chehalis temperature TMDL approved 4-Dec-01.	
23	**5877**	**4A**	**CHEHALIS RIVER**	**UE35GF**	**0**	**17N**	**05W 28**	**Temperature**	**Water**
			Pickett, 1994a. 4 excursions beyond the criterion out of 4 samples (100%) at RM 33.8 in 1991 and 1992.					Upper Chehalis temperature TMDL approved 4-Dec-01.	
23	**6583**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**161.464**	**13N**	**05W 12**	**Temperature**	**Water**
			Dept. of Ecology unpublished data from core ambient monitoring station 23A160 (CHEHALIS RIVER AT DRYAD) shows a 7-day mean of daily maximum values of 21.7 for mid-week 12 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 23A160 (CHEHALIS RIVER AT DRYAD) shows 3 excursions beyond the criterion out of 62 samples collected between 1993 - 2001					Upper Chehalis temperature TMDL approved 4-Dec-01.	
23	**10991**	**4A**	**CHEHALIS RIVER**	**DS29ZH**	**99.35**	**15N**	**03W 22**	**Temperature**	**Water**
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 23A100 (Chehalis R @ Prather Rd) shows 5 excursions beyond the criterion out of 30 samples collected between 1993 - 2001 measured on these dates: 95/06/28, 95/07/26, 96/07/30, 96/08/27, 97/07/30,					Upper Chehalis temperature TMDL approved 4-Dec-01.	
23	**7750**	**4A**	**CHEHALIS RIVER, S.F.**	**AR82EA**	**0.111**	**13N**	**04W 24**	**Temperature**	**Water**
			Pickett, 1994a. 3 excursions beyond the criterion out of 5 samples (60%) at the Tanker Intake during 1991 and 1992.					Upper Chehalis temperature TMDL approved 4-Dec-01.	
23	**7752**	**4A**	**DEMSEY CREEK**	**FM81JM**	**1.609**	**17N**	**03W 13**	**Dissolved oxygen**	**Water**
			Berg et al. 1995 , 2 excursions beyond the criterion on 6/23/92 and 8/18/92.					Part of Chehalis River Ammonia & BOD TMDL. Approved 26-Oct-96.	
23	**7753**	**4A**	**DEMSEY CREEK**	**FM81JM**	**1.609**	**17N**	**03W 13**	**Fecal Coliform**	**Water**
			Berg et al. 1995 , 7 excursions beyond the criterion between 6/92 and 5/93.					Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
23	**6669**	**4A**	**DILLENBAUGH CREEK**	**EV39SR 0 14N 02W 31**	**Fecal Coliform**	**Water**
			Crawford, 1987. 2 excursions beyond the criterion between 5/86 and 6/86 at RM 0.1. Pickett, 1994. station Cheh-60 (Dillenbaugh Creek (@Chehalis RM 74.5001)) shows a single sample exceeds the geometric mean criterion out of 1 samples collected during 1991. Pickett, 1994. station Cheh-60 (Dillenbaugh Creek (@Chehalis RM 74.5001)) shows no single sample exceeds the geometric mean criterion out of 1 samples collected during 1992. Pickett, 1994. station Cheh-61 (Dilenbaugh Creek (@Chehalis RM 74.5002)) shows no single sample exceeds the geometric mean criterion out of 1 samples collected during 1992.		Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk
23	**6670**	**4A**	**DILLENBAUGH CREEK**	**EV39SR 2.851 13N 02W 05**	**Fecal Coliform**	**Water**
			Crawford, 1987. 2 excursions beyond the criterion between 5/86 and 6/86 at RM 1.7.		Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk
23	**6671**	**4A**	**DILLENBAUGH CREEK**	**EV39SR 5.324 13N 02W 09**	**Fecal Coliform**	**Water**
			Crawford, 1987. 2 excursions beyond the criterion between 5/86 and 6/86 at RM 3.4. Pickett, 1994. station Cheh-65 (Dillenbaugh Creek (@ Chehalis RM 74.5034) shows 3 single samples exceed the geometric mean criterion out of 3 samples collected during 1992. Sargeant et al. (2002) station DILB3.5 (DILLENBAUGH CK JUST UPSTREAM OF BERWICK) shows the geometric mean of 115 exceeds the criterion and that 25 % of the samples exceeds the percentile criterion from 4 samples collected during 1998.; Sargeant et al. (2002) station DILB3.5 (DILLENBAUGH CK JUST UPSTREAM OF BERWICK) shows the geometric mean of 109 exceeds the criterion and that 13 % of the samples exceeds the percentile criterion from 15 samples collected during 1999.;		Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk
23	**6672**	**4A**	**DILLENBAUGH CREEK**	**EV39SR 7.144 13N 02W 10**	**Fecal Coliform**	**Water**
			Crawford, 1987. 2 excursions beyond the criterion between 5/86 and 6/86 at RM 4.6.		Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk
23	**7755**	**4A**	**DILLENBAUGH CREEK**	**EV39SR 0 14N 02W 31**	**Temperature**	**Water**
			Pickett, 1994a. 1 excursion beyond the criterion out of 5 samples (20%) near the mouth during 1991 and 1992. Crawford, 1987. 2 excursions beyond the criterion out of 5 samples (40%) at RM 0.1 during 1986.		Part of the Upper Chehalis River TMDL. Approved 12/4/01.
23	**7757**	**4A**	**DILLENBAUGH CREEK**	**EV39SR 2.851 13N 02W 05**	**Temperature**	**Water**
			Crawford, 1987. 2 excursions beyond the criterion out of 4 samples (50%) at RM 1.7 during 1986.		Part of the Upper Chehalis River TMDL. Approved 12/4/01.

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
23	**7769**	**4A**	**LINCOLN CREEK**	**AP15HC 15.999 15N 04W 33**	**Fecal Coliform**	**Water**
			Chehalis Tribal data (submitted by Gary Burns on 8-7-95) show 3 excursions beyond the upper criterion at station 7 between 5/95 and 7/95.		Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
23	**10399**	**4A**	**LINCOLN CREEK**	**AP15HC 0.88 15N 03W 34**	**Fecal Coliform**	**Water**
			Pickett, 1994. station Cheh-21 (Lincoln Creek (@ Chehalis RM 61.8011)) shows 2 single samples exceed the geometric mean criterion out of 2 samples collected during 1991.		Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
23	**7763**	**4A**	**LINCOLN CREEK**	**AP15HC 5.411 15N 03W 29**	**Temperature**	**Water**
			Data submitted by Gary Burns of the Chehalis Tribe on 8-7-95 show 2 excursions beyond the criterion at station 4 in 1995.		Part of the Upper Chehalis River TMDL. Approved 12/4/01.	
23	**16758**	**4A**	**NEWAUKUM RIVER**	**WC81BX 0 14N 02W 31**	**Fecal Coliform**	**Water**
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 23B050 (Newaukum R. at Chehalis) shows a geometric mean of 54 does not exceed the criterion and that 11% of the samples exceeds the percentile criterion from 9 samples collected during 1993, with only 1 sample that exceeds the percentile criterion.		Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
			Pickett, 1994. station Cheh-69 (Newaukum River (@ Chehalis RM 75.20015)) shows 0 single samples exceed the geometric mean criterion out of 2 samples collected during 1992. Pickett, 1994. station Cheh-69 (Newaukum River (@ Chehalis RM 75.20015)) shows 0 single samples exceed the geometric mean criterion out of 3 samples collected during 1991.			
23	**7770**	**4A**	**NEWAUKUM RIVER**	**WC81BX 0 14N 02W 31**	**Temperature**	**Water**
			Pickett, 1994a. 3 excursions beyond the criterion out of 6 samples (50%) near the mouth during 1991 and 1992.		Part of the Upper Chehalis River TMDL. Approved 12/4/01.	
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 23B050 (Newaukum @ Mouth) shows 0 excursions beyond the criterion out of 9 samples collected between 1993 - 2001			
23	**6668**	**4A**	**SALZER CREEK**	**QF44VO 6.811 14N 02W 23**	**Fecal Coliform**	**Water**
			Crawford, 1987. 2 excursion beyond the upper criterion at RM 4.0 in 3/86.		Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
23	**10406**	**4A**	**SALZER CREEK**	**QF44VO 0.2 14N 02W 19**	**Fecal Coliform**	**Water**
			Pickett, 1994. station Cheh-40 (Salzer Creek (@ Chehalis RM 69.2002)) shows a geometric mean of 175 cfu/100mL with 60% exceeding the percentile criterion out of 5 samples collected during 1992.		Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
			Pickett, 1994. station Cheh-40 (Salzer Creek (@ Chehalis RM 69.2002)) shows 2 single samples exceed the geometric mean criterion out of 2 samples collected during 1991.			

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
23	**7772**	**4A**	**SALZER CREEK**	**QF44VO 0.2 14N 02W 19**	**Temperature**	**Water**
			Pickett, 1994a. 2 excursions beyond the criterion out of 7 samples (28%) at Airport Road during 1991 and 1992.		Part of the Upper Chehalis River TMDL. Approved 12/4/01.	
23	**10393**	**4A**	**SCATTER CREEK**	**AQ85FY 0.373 15N 03W 08**	**Fecal Coliform**	**Water**
			Pickett, 1994. station Cheh-13 (Scatter Creek (@ Chehalis RM 55.2007)) shows 2 single samples exceed the geometric mean criterion out of 2 samples collected during 1991.		Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
23	**7776**	**4A**	**SCATTER CREEK**	**AQ85FY 0.373 15N 03W 08**	**Temperature**	**Water**
			Pickett, 1994a. 3 excursions beyond the criterion out of 5 samples (60%) at bridge above mouth during 1991 and 1992.		Part of the Upper Chehalis River TMDL. Approved 12/4/01.	
23	**10402**	**4A**	**SKOOKUMCHUCK RIVER**	**BV55DP 0 14N 02W 07**	**Fecal Coliform**	**Water**
			Pickett, 1994. station Cheh-27 (Skookumchuck River (@ Chehalis RM 66.900) shows 1 single samples exceed the geometric mean criterion out of 2 samples collected during 1991. Pickett, 1994. station Cheh-27 (Skookumchuck River (@ Chehalis RM 66.900) shows 0 single samples exceed the geometric mean criterion out of 2 samples collected during 1992.		Part of the Upper Chehalis Fecal Coliform Bacteria TMDL approved by EPA 07/22/04. -kk	
23	**7778**	**4A**	**SKOOKUMCHUCK RIVER**	**BV55DP 0 14N 02W 07**	**Temperature**	**Water**
			Pickett, 1994a. 3 excursions beyond the criterion out of 8 samples (100%) near the mouth during 1991 and 1992.		Part of the Upper Chehalis River TMDL. Approved 12/4/01.	
25	**3786**	**4A**	**COLUMBIA RIVER**	**NN57SG 46122A8B5 46.015 122.855**	**Total Dissolved Gas**	**Water**
			Tanner, et al. 1996. , 45 excursions beyond the criterion set with the short term modifications to the standards out of 170 samples (26%) at Wauna, OR in 1996. Tanner, et al. 1996. , 38 excursions beyond the criterion set with the short term modifications to the standards out of 102 samples (37%) near Kalama, WA in 1996.;		Part of Lower Columbia River total dissolved gas TMDL approved 20-Nov-02.	
27	**7812**	**4A**	**COLUMBIA RIVER**	**NN57SG 45122J8F1 45.955 122.815**	**Total Dissolved Gas**	**Water**
			37 excursions beyond the criterion at the U.S. Army Corp of Engineers North Pacific Division station KLAW (Kalama) in 1994 during times without approved short term modifications to the standards.;		Part of Lower Columbia River total dissolved gas TMDL approved 20-Nov-02..	
28	**7871**	**4A**	**COLUMBIA RIVER**	**NN57SG 45122G0A6 45.605 122.065**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station BON (Bonneville Forebay) shows 14 days exceeding the criterion in 2000.		Part of Lower Columbia River total dissolved gas TMDL approved 20-Nov-02.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
28	**7878**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**45122F0J6**	**45.595**	**122.065**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station WRNO (Warrendale) shows 6 days exceeding the criterion in 2000.					Part of Lower Columbia River total dissolved gas TMDL approved 20-Nov-02. Same location as U.S. Army Corp of Engineers station WAR	
28	**7879**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**45122F3F1**	**45.555**	**122.315**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station CWMW (Camas/Washougal) shows 58 days exceeding the criterion in 2000.					Part of Lower Columbia River total dissolved gas TMDL approved 20-Nov-02.	
28	**7880**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**45122G0A5**	**45.605**	**122.055**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station SKAW (Skamania) shows 12 days exceeding the criterion in 2000.					Part of Lower Columbia River total dissolved gas TMDL approved 20-Nov-02.	
28	**7881**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**45122G0B3**	**45.615**	**122.035**	**Total Dissolved Gas**	**Water**
			Tanner, et al. 1996. , 135 excursions beyond the criterion set with the short term modifications to the standards out of 180 samples (75%) near Dodson, OR in 1996.;					Part of Lower Columbia River total dissolved gas TMDL approved 20-Nov-02.	
28	**7882**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**45122F3H5**	**45.575**	**122.355**	**Total Dissolved Gas**	**Water**
			Tanner, et al. 1996. , 142 excursions beyond the criterion set with the short term modifications to the standards out of 190 samples (74%) near Washougal, WA in 1996.;					Part of Lower Columbia River total dissolved gas TMDL approved 20-Nov-02.	
28	**7892**	**4A**	**CURTIN CREEK**	**XU25TT**	**0**	**03N**	**02E 20**	**Fecal Coliform**	**Water**
			Clark County data (submitted by Carl Addy on 10/6/93) show 20 excursions beyond the criterion at the 139th Street station between 5/16/91 and 12/8/92.					Part of the Salmon Creek TMDL. Approved 4/5/01.	
			Clark County unpublished data from station CUR020 (Curtin Cr dnstrm of NE 139th Street) show a geometric mean of 122 cfu/100mL from 6 samples collected in 2002.						
			Clark County unpublished data from station CUR020 show a geometric mean of 67 MPN/100mL with 33% of samples exceeding the percentile criterion in 12 samples collected in 2001. Clark County unpublished data from station CUR020 show a geometric mean of 73 MPN/100mL with 33% of samples exceeding the percentile criterion in 12 samples collected in 1998. Clark County unpublished data from station CUR020 show a geometric mean of 101 MPN/100mL from 11 samples collected in 1999. Clark County unpublished data from station CUR020 show a geometric mean of 160 MPN/100mL from 9 samples collected in 2000. Clark County unpublished data from station CUR020 show a geometric mean of 85 MPN/100mL with 0% of samples exceeding the percentile criterion in 7 samples collected in 2002.						

WRIA	Listing ID	Category	Waterbody Name	Location Information					Parameter	Medium
			Basis					Remarks		
28	**7934**	**4A**	**MILL CREEK**	**IQ96OD**	**0**	**03N**	**01E**	**24**	**Fecal Coliform**	**Water**
			Clark County data (submitted by Carl Addy on 10/6/93) show 12 excursions beyond the criterion at the Salmon Creek Road station between 6/18/91 and 8/10/92					Part of the Salmon Creek TMDL. Approved 4/5/01.		
			Clark County unpublished data from station MIL010 (Mill Cr upstrm of Salmon Creek Avenue) show a geometric mean of 103 cfu/100mL from 6 samples collected in 2002.							
			Clark County unpublished data from station MIL010 show a geometric mean of 63 MPN/100mL with 22% of samples exceeding the percentile criterion in 9 samples collected in 2000. Clark County unpublished data from station MIL010 show a geometric mean of 73 MPN/100mL with 18% of samples exceeding the percentile criterion in 11 samples collected in 1999. Clark County unpublished data from station MIL010 show a geometric mean of 84 MPN/100mL with 29% of samples exceeding the percentile criterion in 7 samples collected in 2002. Clark County unpublished data from station MIL010 show a geometric mean of 127 MPN/100mL from 12 samples collected in 1998. Clark County unpublished data from station MIL010 show a geometric mean of 127 MPN/100mL from 12 samples collected in 2001.							
28	**7938**	**4A**	**SALMON CREEK**	**FP99QE**	**18.736**	**03N**	**02E**	**21**	**Fecal Coliform**	**Water**
			Clark County, 1987. samples collected during 1/80 and 3/80 show a mean that are beyond the upper criterion at the NE 156th Street station. Sample size for the mean is unknown since raw sample data is not presented .					Part of the Salmon Creek TMDL. Approved 4/5/01.		
28	**7940**	**4A**	**SALMON CREEK**	**FP99QE**	**6.38**	**03N**	**01E**	**27**	**Fecal Coliform**	**Water**
			Clark County, 1987. , samples collected during 1/80 and 3/80 show a mean that are beyond the upper criterion at the Hwy 99 station. Sample size for the mean is unknown since raw sample data is not presented.					Part of the Salmon Creek TMDL. Approved 4/5/01.		
28	**7941**	**4A**	**SALMON CREEK**	**FP99QE**	**2.058**	**03N**	**01E**	**20**	**Fecal Coliform**	**Water**
			Clark County, 1987. , samples collected during 1/80 and 3/80 show a mean that are beyond the upper criterion at the NW 36th Ave station. Sample size for the mean is unknown since raw sample data is not presented.					Part of the Salmon Creek TMDL. Approved 4/5/01.		
			Clark County unpublished data from station SMN010 show a geometric mean of 112 MPN/100mL from 7 samples collected in 2002. Clark County unpublished data from station SMN010 show a geometric mean of 113 MPN/100mL from 12 samples collected in 2001. Clark County unpublished data from station SMN010 show a geometric mean of 132 MPN/100mL from 11 samples collected in 1999. Clark County unpublished data from station SMN010 show a geometric mean of 134 MPN/100mL from 9 samples collected in 2000. Clark County unpublished data from station SMN010 show a geometric mean of 155 MPN/100mL from 12 samples collected in 1998.							
28	**8788**	**4A**	**SALMON CREEK**	**FP99QE**	**2.058**	**03N**	**01E**	**20**	**Turbidity**	**Water**
			Clark County data (submitted by Carl Addy to Bob Cusimano in 4/95) show 5 excursions beyond the criterion out of 20 samples collected at 36th street between 5/91 and 1/93.					Part of the Salmon Creek TMDL. Approved 4/5/01.		
28	**6702**	**4A**	**WEAVER (WOODIN) CREEK**	**HO68MC**	**1.773**	**03N**	**02E**	**11**	**Fecal Coliform**	**Water**
			Crawford, 1986, 2 excursions beyond the upper criterion at (RM 2.0) on 10/22/85 and 10/23/85.					Part of the Salmon Creek TMDL. Approved 4/5/01.		

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
28	**6703**	**4A**	**WEAVER (WOODIN) CREEK**	**HO68MC 3.049**	**03N**	**02E**	**02**	**Fecal Coliform**	**Water**
			Crawford, 1986, 2 excursions beyond the upper criterion at Jewel Creek (RM 2.5) on 10/22/85 and 10/23/85.					Part of the Salmon Creek TMDL. Approved 4/5/01.	
28	**6704**	**4A**	**WEAVER (WOODIN) CREEK**	**HO68MC 5.096**	**04N**	**02E**	**35**	**Fecal Coliform**	**Water**
			Crawford, 1986, 2 excursions beyond the upper criterion at RM 3.2 on 10/22/85 and 10/23/85.					Part of the Salmon Creek TMDL. Approved 4/5/01.	
28	**7951**	**4A**	**WEAVER (WOODIN) CREEK**	**HO68MC 0**	**03N**	**02E**	**15**	**Fecal Coliform**	**Water**
			Clark County unpublished data from station WDN010 show a geometric mean of 98 MPN/100mL with 14% of samples exceeding the percentile criterion in 7 samples collected in 2002.					Part of the Salmon Creek TMDL. Approved 4/5/01.	
			Clark County unpublished data from station WDN010 show a geometric mean of 292 MPN/100mL from 12 samples collected in 2001.						
			Clark County unpublished data from station WDN010 show a geometric mean of 100 MPN/100mL with 33% of samples exceeding the percentile criterion in 9 samples collected in 2000.						
			Clark County unpublished data from station WDN010 show a geometric mean of 274 MPN/100mL from 11 samples collected in 1999.						
			Clark County unpublished data from station WDN010 show a geometric mean of 159 MPN/100mL from 12 samples collected in 1998.						
			Clark County data (submitted by Carl Addy on 10/6/93) show 15 excursions beyond the criterion at the 122nd Ave. station between5/16/91 and 12/8/92.						
29	**7952**	**4A**	**BEAR CREEK**	**EY50KO 0**	**03N**	**08E**	**04**	**Temperature**	**Water**
			Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 6 excursions beyond the criterion in 1994.					Part of the Wind River TMDL. Approved 8-Aug-02.	
30	**5891**	**4A**	**BUTLER CREEK**	**YU86SG 0**	**05N**	**17E**	**17**	**Temperature**	**Water**
			Mattews, 1992. shows 7-day means of daily maximums at two sites (BU1 = 23.2 and BU2 = 24.8) on the segment during 1990 and 1991.					Part of the Little Klickitat TMDL. Approved 6/30/03.	
30	**5895**	**4A**	**COLUMBIA RIVER**	**NN57SG 45120H6B9**	**45.715**		**120.695**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station JHAW (John Day Tailwater) shows 12 days exceeding the criterion in 2000.					Part of Lower Columbia River TMDL approved 20-Nov-02.	
30	**5896**	**4A**	**COLUMBIA RIVER**	**NN57SG 45121G1B3**	**45.615**		**121.135**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station TDDO (The Dalles Tailwater) shows 5 days exceeding the criterion in 2000.					Part of Lower Columbia River TMDL approved 20-Nov-02.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
30	**5898**	**4A**	**COLUMBIA RIVER**	**NN57SG 45120H7A2 45.705 120.725**	**Total Dissolved Gas**	**Water**
			Tanner, et al. 1996. , 34 excursions beyond the criterion set with the short term modifications to the standards out of 117 samples (29%) near Cliffs, WA in 1996.;		Part of Lower Columbia River TMDL. Approved 11/20/02.	
30	**11070**	**4A**	**LITTLE KLICKITAT RIVER**	**AY21LB 0 04N 14E 09**	**Temperature**	**Water**
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 30C070 (Little Klickitat nr Wahkiacus) shows 1 excursions beyond the criterion out of 24 samples collected between 1993 - 2001 measured on these dates: 94/08/08,		Part of the Little Klickitat TMDL. Approved 6/30/03.	
30	**7956**	**4A**	**LITTLE KLICKITAT RIVER, EAST PRONG**	**AG85MX 0 05N 17E 16**	**Temperature**	**Water**
			Mattews, 1992. shows 7-day means of daily maximums of 23.2 at station EP1 during 1990 and 1991.;		Part of the Little Klickitat TMDL. Approved 6/30/03.	
30	**7957**	**4A**	**LITTLE KLICKITAT RIVER, EAST PRONG**	**PW77VQ 4.187 05N 17E 10**	**Temperature**	**Water**
			Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 49 excursions beyond the criterion at station EP3 in1995.		Part of the Little Klickitat TMDL. Approved 6/30/03.	
30	**7958**	**4A**	**LITTLE KLICKITAT RIVER, EAST PRONG**	**PW77VQ 3.005 05N 17E 09**	**Temperature**	**Water**
			Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 41 excursions beyond the criterion at station EP4 in1995.		Part of the Little Klickitat TMDL. Approved 6/30/03.	
30	**7959**	**4A**	**LITTLE KLICKITAT RIVER, EAST PRONG**	**PW77VQ 5.01 05N 17E 03**	**Temperature**	**Water**
			Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 26 excursions beyond the criterion at station EP5 in1995.		Part of Little Klickitat River TMDL. Approved 6/30/03.	
30	**7960**	**4A**	**LITTLE KLICKITAT RIVER, EAST PRONG**	**PU81CT 0 06N 17E 35**	**Temperature**	**Water**
			Mattews, 1992. shows 7-day means of daily maximums of 19.7 at station EP2 during 1990 and 1991.		Part of the Little Klickitat TMDL. Approved 6/30/03.	
30	**7961**	**4A**	**LITTLE KLICKITAT RIVER, WEST PRONG**	**XU61EK 1.537 05N 17E 18**	**Temperature**	**Water**
			Mattews, 1992. shows 7-day means of daily maximums of 23.6 at station WP1 during 1990 and 1991.		Part of the Little Klickitat TMDL. Approved 6/30/03.	
31	**7963**	**4A**	**COLUMBIA RIVER**	**NN57SG 45119J2D9 45.935 119.295**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station MCQW (McNary Washington Forebay) show 213 days exceeding the criterion during 2000.		Same location as U.S. Army Corp of Engineers North Pacific Division station MCN-N. Part of Lower Columbia River TMDL. Approved 11/20/02.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
31	**7965**	**4A**	**COLUMBIA RIVER**	**NN57SG 45119J3D0 45.935 119.305**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station MCPW (McNary Tailwater) shows 17 days exceeding the criterion in 2000.		Part of Lower Columbia River TMDL approved 20-Nov-02. Same location as U.S. Army Corp of Engineers Station MCNTW	
33	**8097**	**4A**	**SNAKE RIVER**	**YB86JO 63.254 12N 34E 03**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station LMNW (Lower Monumental Tailwater) shows 12 days exceeding the criterion in 2000.		The Lower Snake River Total Dissolved Gas TMDL was approved 30-Sep-03.	
33	**8098**	**4A**	**SNAKE RIVER**	**YB86JO 65.729 13N 34E 34**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station LMN (Lower Monumental Forebay) shows 28 days exceeding the criterion in 2000.		The Lower Snake River Total Dissolved Gas TMDL was approved 30-Sep-03.	
33	**8099**	**4A**	**SNAKE RIVER**	**YB86JO 14.472 09N 31E 24**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station IHR (Ice Harbor Forebay) shows 34 days exceeding the criterion in 2000.		The Lower Snake River Total Dissolved Gas TMDL was approved 30-Sep-03.	
33	**8100**	**4A**	**SNAKE RIVER**	**YB86JO 2.799 09N 30E 35**	**Total Dissolved Gas**	**Water**
			17 excursions beyond the criterion at the U.S. Army Corp of Engineers Walla Walla District station HPKW in 1994 during times without approved short term modifications to the standards.		The Lower Snake River Total Dissolved Gas TMDL was approved 30-Sep-03. U.S. Army Corp of Engineers Walla Walla District station HPKW was not monitored in 2000.	
33	**8101**	**4A**	**SNAKE RIVER**	**YB86JO 7.934 09N 31E 29**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station IDSW (Ice Harbor Tailwater) shows 4 days exceeding the criterion in 2000.		The Lower Snake River Total Dissolved Gas TMDL was approved 30-Sep-03.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
34	**16792**	**4A**	**PALOUSE RIVER**	**NX00WG 189.622**	**16N**	**46E**	**06**	**Fecal Coliform**	**Water**
			Hallock (2004), Dept. of Ecology ambient station 34A170 shows 1 of 12 samples (8.3%) in year 2002 exceeded the percentile criterion and 1 of 12 samples (8.3%) in year 2003 exceeded the percentile criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A170 (Palouse R. at Palouse) shows a geometric mean of 85 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 6 samples collected during 2001. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A170 (Palouse R. at Palouse) shows a geometric mean of 42 does not exceed the criterion and that 18% of the samples exceeds the percentile criterion from 11 samples collected during 2000. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A170 (Palouse R. at Palouse) shows a geometric mean of 95 does not exceed the criterion and that 31% of the samples exceeds the percentile criterion from 13 samples collected during 1999. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A170 (Palouse R. at Palouse) shows a geometric mean of 55 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 12 samples collected during 1998. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A170 (Palouse R. at Palouse) shows a geometric mean of 63 does not exceed the criterion and that 8% of the samples does not exceed the percentile criterion from 12 samples collected during 1997. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A170 (Palouse R. at Palouse) shows a geometric mean of 69 does not exceed the criterion and that 17% of the samples exceeds the percentile criterion from 6 samples collected during 1996. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A170 (Palouse R. at Palouse) shows a geometric mean of 102 exceeds the criterion and that 18% of the samples exceeds the percentile criterion from 11 samples collected during 1995. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A170 (Palouse R. at Palouse) shows a geometric mean of 47 does not exceed the criterion and that 20% of the samples exceeds the percentile criterion from 10 samples collected during 1994. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 34A170 (Palouse R. at Palouse) shows a geometric mean of 52 does not exceed the criterion and that 10% of the samples does not exceed the percentile criterion from 10 samples collected during 1993.					Changed from Category 5 to Category 4A on 3/25/05 based on EPAs approval of the North Fork Palouse River Fecal Coliform TMDL on 3/21/05. - kk	
35	**8161**	**4A**	**SNAKE RIVER**	**YB86JO 169.035**	**14N**	**43E**	**32**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station LGNW (Lower Granite Tailwater) shows 4 days exceeding the criterion in 2000.					The Lower Snake River Total Dissolved Gas TMDL was approved 30-Sep-03.	
35	**8162**	**4A**	**SNAKE RIVER**	**YB86JO 110.412**	**13N**	**38E**	**27**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2001) station LGSW (Little Goose Tailwater) shows 9 days exceeding the criterion in 2000. U.S. Army Corp of Engineers (2001) station LGS (Little Goose Forebay) shows 2 days exceeding the criterion in 2000.					The Lower Snake River Total Dissolved Gas TMDL was approved 30-Sep-03.	
37	**8301**	**4A**	**GRANGER DRAIN**	**EB21AR 135.707**	**10N**	**21E**	**21**	**Fecal Coliform**	**Water**
			Embrey, 1992. two samples taken on 7/28/88 showed high levels of fecal coliform.					Granger Drain fecal coliform TMDL approved 12-Dec.-01.	

WRIA	Listing ID	Category	Waterbody Name	Location Information					Parameter	Medium
			Basis						Remarks	
37	**8858**	**4A**	**YAKIMA RIVER**	**EB21AR**	**48.64**	**09N**	**27E**	**19**	**Turbidity**	**Water**
			Joy, 1997. The change in turbidity between the confluence with Naches River and Benton City exceeds the criterion based on numerous samples collected in 1994-1995..						Lower Yakima River TMDL for turbidity approved by EPA 25-Nov-98.	
39	**8935**	**4A**	**CHERRY CREEK**	**FT68CJ**	**0.558**	**17N**	**19E**	**29**	**4,4'-DDE**	**Water**
			6 excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12484480 (at Thrall) in 1988 and 1989.						Part of Upper Yakima River TMDL. Approved 09/13/02.	
39	**8934**	**4A**	**CHERRY CREEK**	**FT68CJ**	**0.558**	**17N**	**19E**	**29**	**DDT**	**Water**
			Rinella, et al. 1992 , 2 excursions beyond the criterion (at Thrall) on 8/31/88 and 3/9/89.						Part of Upper Yakima TMDL. Approved 9/13/02.	
39	**8936**	**4A**	**CHERRY CREEK**	**FT68CJ**	**0.558**	**17N**	**19E**	**29**	**Dieldrin**	**Water**
			Rinella, et al. 1992 , 6 excursions beyond the criterion (at Thrall) between 5/5/88 and 3/9/89.						Part of Upper Yakima River TMDL. Approved 09/13/02.	
39	**6722**	**4A**	**COOKE CREEK**	**SZ58XV**	**3.353**	**17N**	**19E**	**11**	**Fecal Coliform**	**Water**
			Joy, 1988. 2 excursions beyond the upper criterion at Cooke Creek RM 0.25 on 8/18/87 and 8/19/87.						Part of the Wilson Creek Fecal Coliform TMDL, approved by EPA 07/06/05. -sp Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	
39	**12378**	**4A**	**STAFFORD CREEK**	**IY03YA**	**0**	**22N**	**16E**	**33**	**Temperature**	**Water**
			Unpublished U.S. Forest Service continuous data (Site 10 in Stohr and Leskie, 2000) show a 7-day mean of daily maximum values of 18.5 at Site 3 for week-ending 29 July 1998.						Part of the Teanaway Temperature TMDL. Approved 1/29/02.	
39	**7323**	**4A**	**TEANAWAY RIVER**	**ZH39IA**	**0**	**19N**	**16E**	**03**	**Temperature**	**Water**
			Joy (2002) station 39D070 (Teanaway R. near Cle Elum) shows 0 excursions beyond the criterion out of 17 samples collected between 04/99 - 11/99. Scholz, 1999, shows a 7-day mean of maximum daily temperature of 27.5 degrees C, with a maximum daily temperature of 28.5 degrees C from continuous measurements collected in 1998 at Mainstem Teanaway near mouth -7. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96)show 41 excursions beyond the criterion in 1994.						Part of Teanaway River TMDL. Approved 1/29/02.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
39	**7326**	**4A**	**TEANAWAY RIVER, M.F.**	**KB71OY 8.42 21N 15E 16**	**Temperature**	**Water**
			Scholz, 1999, shows a 7-day mean of maximum daily temperature of 21.1 degrees C, with a maximum daily temperature of 21.9 degrees C from continuous measurements collected in 1998 at Middle Fork Teanaway upper -8. Numerous excursions beyond the criterion sampled at the National forest Boundary by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95).		Part of Teanaway River TMDL. Approved 1/29/02.
39	**12376**	**4A**	**TEANAWAY RIVER, M.F.**	**KB71OY 6.632 21N 15E 21**	**Temperature**	**Water**
			Unpublished U.S. Forest Service continuous data (Site 8 in Stohr and Leskie, 2000) show a 7-day mean of daily maximum values of 23.1 for week-ending 3 September 1998. Department of Ecology unpublished data from EMAP station WAY41S (MF Teanaway River) shows no excursions beyond the criterion from measurements made in 1994.		Part of Teanaway River TMDL. Approved 1/29/02.
39	**14297**	**4A**	**TEANAWAY RIVER, M.F.**	**KB71OY 0.341 21N 15E 36**	**Temperature**	**Water**
			Stohr and Leskie, 2000. shows a 7-day mean of daily maximum values of 25.6 at Site 3 for week-ending 29 July 1998.		Part of Teanaway River TMDL. Approved 1/29/02.
39	**7329**	**4A**	**TEANAWAY RIVER, N.F.**	**TI29YR 10.952 21N 16E 05**	**Temperature**	**Water**
			Scholz, 1999, shows a 7-day mean of maximum daily temperature of 23.5 degrees C, with a maximum daily temperature of 24.4 degrees C from continuous measurements collected in 1998 at North Fork Teanaway middle -5. Numerous excursions beyond the criterion sampled at the National Forest Boundary by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95).		Part of Teanaway River TMDL. Approved 1/29/02.
39	**7330**	**4A**	**TEANAWAY RIVER, N.F.**	**TI29YR 13.688 22N 16E 32**	**Temperature**	**Water**
			Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992.		Part of Teanaway River TMDL. Approved 1/29/02.
39	**12374**	**4A**	**TEANAWAY RIVER, N.F.**	**TI29YR 0.001 20N 16E 06**	**Temperature**	**Water**
			Stohr and Leskie, 2000. shows a 7-day mean of daily maximum values of 24.3 at Site 6 for week-ending 29 July 1998.		Part of Teanaway River TMDL. Approved 1/29/02.
39	**7331**	**4A**	**TEANAWAY RIVER, W.F.**	**OD70SN 10.141 21N 15E 19**	**Temperature**	**Water**
			Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 32 excursions beyond the criterion in 1993 and 35 excursions beyond the criterion in1995 at station WFTY1. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 19 excursions beyond the criterion in 1995.		Part of Teanaway River TMDL. Approved 1/29/02.

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
39	**8363**	**4A**	**TEANAWAY RIVER, W.F.**	**OD70SN**	**0.13**	**20N**	**15E 01**	**Temperature**	**Water**
			Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992.					Part of Teanaway River TMDL. Approved 1/29/02.	
39	**6719**	**4A**	**WILSON CREEK**	**PY59BF**	**0**	**17N**	**19E 31**	**Fecal Coliform**	**Water**
			Johnson and Prescott, 1980. Geometric mean of 1400 measured just upstream of Cascade canal during 1978 and 1979.					Part of the Wilson Creek Fecal Coliform TMDL, approved by EPA 07/06/05. -sp TRS was 18N-19E-30 on 1998 list. -kk Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	
39	**10050**	**4A**	**WILSON CREEK**	**PY59BF**	**16.275**	**18N**	**19E 30**	**Fecal Coliform**	**Water**
			Joy (2002) station 22-WLSN (WILSON CR AT SANDERS RD) shows the geometric mean of 416 exceeds the criterion and that 80% of the samples exceeds the percentile criterion from 10 samples collected during 1999.					Part of the Wilson Creek Fecal Coliform TMDL, approved by EPA 07/06/05. -sp	
39	**8921**	**4A**	**YAKIMA RIVER**	**EB21AR**	**223.402**	**16N**	**19E 33**	**4,4'-DDE**	**Tissue**
			Johnson, et al. 1986. , excursions beyond the criterion of a composite of the edible tissue from 3 fish of in Mountain Whitefish, Bridgelip sucker, Northern Squawfish, and a single sample of Spring Chinook in 1985.					Part of Upper Yakima River TMDL. Approved 9/13/02.	
39	**8924**	**4A**	**YAKIMA RIVER**	**EB21AR**	**297.908**	**20N**	**15E 27**	**4,4'-DDE**	**Tissue**
			Johnson et al. 1986. , excursion beyond the criterion in a composite of edible tissue from 3 Mountain Whitefish on 8/19/85.					Part of Upper Yakima River TMDL. Approved 9/13/02.	
39	**8920**	**4A**	**YAKIMA RIVER**	**EB21AR**	**223.402**	**16N**	**19E 33**	**DDT**	**Tissue**
			Johnson, et al. 1986. , excursions beyond the criterion of a composite of the edible tissue from 3 fish of in Mountain Whitefish, Bridgelip sucker, Northern Squawfish, and a single sample of Spring Chinook in 1985.					Part of Upper Yakima River TMDL. Approved 9/13/02.	
39	**8923**	**4A**	**YAKIMA RIVER**	**EB21AR**	**297.908**	**20N**	**15E 27**	**DDT**	**Tissue**
			Johnson et al. 1986. , excursion beyond the criterion in a composite of edible tissue from 3 Mountain Whitefish on 8/19/85.					Part of Upper Yakima River TMDL. Approved 9/13/02.	
39	**8922**	**4A**	**YAKIMA RIVER**	**EB21AR**	**223.402**	**16N**	**19E 33**	**Dieldrin**	**Tissue**
			Johnson, et al, 1986. Excursion beyond the criterion of edible tissue in Spring Chinook on 5/21/85.					Part of Upper Yakima TMDL. Approved 9/13/02.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis						Remarks
39	**8929**	**4A**	**YAKIMA RIVER**	**EB21AR**	**287.35**	**19N**	**16E 04**	**Mercury**	**Water**
			Fuhrer, et al. 1996. , 2 samples collected at station 6 (Cle Elum) exceeded the criterion between 1987 and 1990.;						Part of Upper Yakima River TMDL. Approved 9/13/02. USGS data from the 1987-1990 period are subject to contamination (Windom et al., 1991; Rickert, 1991).The results are inconsistent with Ecology data collected on these streams (Johnson, 1996; Johnson et al., 1986).
39	**8932**	**4A**	**YAKIMA RIVER**	**EB21AR**	**229.127**	**16N**	**19E 20**	**Mercury**	**Water**
			Fuhrer, et al. 1996. , 3 samples collected at station 19 (Umtanum) exceeded the criterion between 1987 and 1990.						Part of Upper Yakima River TMDL. Approved 9/13/02. USGS data from the 1987-1990 period are subject to contamination (Windom et al., 1991; Rickert, 1991).The results are inconsistent with Ecology data collected on these streams (Johnson, 1996; Johnson et al., 1986).
39	**8930**	**4A**	**YAKIMA RIVER**	**EB21AR**	**229.127**	**16N**	**19E 20**	**Silver**	**Water**
			Johnson, 2001, provides data collected by USGS in 1999 showing the acute criterion is being met. Fuhrer, et al. 1996. , 2 samples collected at station 19 (Umtanum) exceeded the criterion between 1987 and 1990.;						Part of Upper Yakima River TMDL. Approved 9/13/02. USGS data from the 1987-1990 period are subject to contamination (Windom et al., 1991; Rickert, 1991). The results are inconsistent with Ecology data collected on these streams (Johnson, 1996; Johnson et al., 1986).
40	**36388**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**719.34**	**21N**	**22E 05**	**Total Dissolved Gas**	**Water**
			1 excursion beyond the criterion at the Chelan County PUD station RIS in 1993.; 33 excursions beyond the criterion at the Chelan County PUD station RIS in 1994.; Chelan County PUD station RIS (Rock Island Forebay) shows 110 excursions beyond the criterion out of 157 days during 2002, and 40 excursions beyond the temporary criterion provided for fish passage.						Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04. -kk

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
44	**36392**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**772.82**	**26N**	**21E 33**	**Total Dissolved Gas**	**Water**
			Parametrix, 2001, shows no excursions beyond the criterion at station 3P from measurements collected during 2000.					Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04. -kk	
44	**36393**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**751.697**	**24N**	**20E 35**	**Total Dissolved Gas**	**Water**
			Chelan County PUD station RRH (Rocky Reach Forebay) shows 88 excursions beyond the criterion out of 157 days during 2002, and 37 excursions during the period beyond the temporary criterion provided for fish passage.					Was WRIA 45 on the 1998 list. -kk	
			Parametrix, 2001. shows no excursions beyond the criterion at station 1P from measurements collected during 2000.					Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04. -kk	
			Chelan County PUD station RRH shows 25 excursions beyond the criterion in 1994.						
			Chelan County PUD station RRH shows 1 excursion beyond the criterion in 1993.						
44	**36394**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**744.239**	**23N**	**20E 22**	**Total Dissolved Gas**	**Water**
			Parametrix, 2001, shows no excursions beyond the criterion at station 5P from measurements collected during 2000.					Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04. -kk	
			Chelan County PUD station RRDW (Rocky Reach Tailrace) shows 109 excursions beyond the criterion out of 157 days during 2002, and 12 excursions beyond the temporary criterion provided for fish passage.						
44	**36395**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**753.79**	**24N**	**20E 25**	**Total Dissolved Gas**	**Water**
			Parametrix, 2001, shows no excursions beyond the criterion at station 4L from measurements collected during 2000.					Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04. -kk	
49	**8980**	**4A**	**ELGIN CREEK**	**KR66GR**	**0**	**33N**	**26E 03**	**DDT**	**Water**
			Serdar, D. (2003), station ELGINCR shows 2 samples in 2001 exceed the chronic criterion.					Part of the Okanogan River DDT/PCB TMDL, approved by EPA 2/1/05. -kk	
			Johnson, et al. 1995, 2 excursions beyond the chronic criterion collected on 7/25/95 and 8/31/95 at the mouth of an unnamed Creek at Okanogan RM 28.4.						
49	**8979**	**4A**	**NINEMILE CREEK**	**IP09QF**	**0.365**	**40N**	**27E 15**	**DDT**	**Water**
			Serdar, D. (2003), station NINEMILECR shows 2 samples in 2001 exceed the chronic criterion.					Part of the Okanogan River DDT/PCB TMDL, approved by EPA 2/1/05. -kk	
			Johnson, et al. 1995, 2 excursions beyond the chronic criterion collected on 7/24/95 and 8/31/95 at the mouth of Ninemile Creek to Osoyoos Lake.						
49	**8992**	**4A**	**OKANOGAN RIVER**	**YN58LL**	**9.756**	**31N**	**25E 27**	**4,4'-DDD**	**Tissue**
			Davis and Serdar, 1996 , excursions beyond the criterion in edible carp tissue during 1994.					Part of the Okanogan River DDT/PCB TMDL, approved by EPA 2/1/05. -kk	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
49	**8991**	**4A**	**OKANOGAN RIVER**	**YN58LL 9.756 31N 25E 27**	**4,4'-DDE**	**Tissue**
			Davis and Serdar, 1996 , excursions beyond the criterion in edible carp tissue during 1994.		Part of the Okanogan River DDT/PCB TMDL, approved by EPA 2/1/05. -kk	
49	**8993**	**4A**	**OKANOGAN RIVER**	**YN58LL 9.756 31N 25E 27**	**Total PCBs**	**Tissue**
			Davis and Serdar, 1996. excursions beyond the criterion in edible carp tissue during 1994.		Part of the Okanogan River DDT/PCB TMDL, approved by EPA 2/1/05. -kk	
49	**9001**	**4A**	**OKANOGAN RIVER**	**YN58LL 7.063 31N 25E 34**	**Total PCBs**	**Tissue**
			Davis and Serdar, 1996. excursions beyond the criterion in edible fish tissue of carp at RM 5 during 1994.		Part of the Okanogan River DDT/PCB TMDL, approved by EPA 2/1/05. -kk	
49	**8970**	**4A**	**OSOYOOS LAKE**	**060VKD 48119J4H3 48.975 119.435**	**4,4'-DDD**	**Tissue**
			Serdar et al. 1998. show excursions beyond the National Toxic Rule criterion in fillet composites of Carp, and Lake Whitefish. Johnson and Norton, 1990. excursion beyond the criterion in the edible tissue of a composite of Largemouth Bass collected in 1989.		Part of the Okanogan River DDT/PCB TMDL, approved by EPA 2/1/05. -kk The basis cited for the assessment is based on fish collected at several locations applies to the entire lake within the US. The center grid segment of the lake within the US was selected to represent this information.	
49	**8971**	**4A**	**OSOYOOS LAKE**	**060VKD 48119J4H3 48.975 119.435**	**4,4'-DDE**	**Tissue**
			Serdar et al. 1998. show excursions beyond the National Toxic Rule criterion in fillet composites of Yellow Perch, Smallmouth Bass, Mountain Whitefish, Carp, and Lake Whitefish. Johnson and Norton, 1990. excursion beyond the criterion in the edible tissue of a composite of Largemouth Bass collected in 1989.		Part of the Okanogan River DDT/PCB TMDL, approved by EPA 2/1/05. -kk The basis cited for the assessment is based on fish collected at several locations applies to the entire lake within the US. The center grid segment of the lake within the US was selected to represent this information.	

WRIA	Listing ID	Category	Waterbody Name	Location Information					Parameter	Medium
			Basis							Remarks
49	**9682**	**4A**	**SIMILKAMEEN RIVER**	**ND93YI**	**7.908**	**40N**	**27E**	**28**	**Arsenic**	**Water**
			Johnson, 2002. Station 49B070 (SIMILKAMEEN RIVER AT OROVILLE) shows multiple excursions of inorganic arsenic beyond the National Toxics Rule criterion and 0 excursions beyond the state chronic criterion out of 17 samples collected between 05/00 - 11/01. Johnson, 2002. Station 49B070 (SIMILKAMEEN RIVER AT OROVILLE) shows 17 excursions beyond the criterion out of 17 samples collected between 05/00 - 11/01. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 49B070 (SIMILKAMEEN RIVER AT OROVILLE) shows 7 excursions beyond the criterion out of 7 samples collected between 1993 - 2001 Johnson (1997) station OROVILLE (AT (R.M. 5.0) ABOVE OROVILLE) shows 2 excursions beyond the criterion out of 2 samples collected between 08/95 - 04/96.							Part of the Simikkameen River Arsenic TMDL approved by EPA 2/17/04. Changed from Categor 5. A TMDL study is underway for arsenic in the Similkameen Watershed. Natural sources and historic mining practices contributed to excursions beyond the National Toxics Rule criterion.
49	**9687**	**4A**	**SIMILKAMEEN RIVER**	**ND93YI**	**27.968**	**40N**	**25E**	**13**	**Arsenic**	**Water**
			Johnson, 2002. Station NIGHTHWK (SIMILKAMEEN @ NIGHTHAWK (R.M.17.5)) shows multiple excursions of inorganic arsenic beyond the National Toxics Rule criterion and 1 excursions beyond the chronic criterion out of 3 samples collected between 05/00 - 11/01. Dept. of Ecology, unpublished data submitted by Art Johnson on 10/31/97, show 2 excursions beyond the National Toxics Rule criterion on 8/29/95 and 4/26/96 at Nighthawk. Johnson, 2002. Station NIGHTHWK (SIMILKAMEEN @ NIGHTHAWK (R.M.17.5)) shows 3 excursions beyond the criterion out of 3 samples collected between 05/00 - 11/01. Johnson (1997) station NIGHTHWK (SIMILKAMEEN @ NIGHTHAWK (R.M.17.5)) shows 2 excursions beyond the criterion out of 2 samples collected between 08/95 - 04/96. Unpublished data from Dept. of Ecology EIM database for the Project AJOH0016 (Similkameen River Arsenic) station NIGHTHWK (SIMILKAMEEN @ NIGHTHAWK (R.M.17.5)) shows 3 excursions beyond the criterion out of 3 samples collected between 05/00 - 11/01.							Part of the Simikkameen River Arsenic TMDL approved by EPA 2/17/04. Changed from Categor 5. A TMDL study is underway for arsenic in the Similkameen Watershed. Natural sources and historic mining practices contributed to 2 excursions beyond the National Toxics Rule criterion on 8/29/95 and 4/26/96 at Nighthawk.
49	**8981**	**4A**	**TALLANT CREEK**	**LD33FC**	**0**	**32N**	**25E**	**02**	**DDT**	**Water**
			Johnson, et al. 1995. , 2 excursions beyond the chronic criterion collected on 7/24/95 and 8/31/95.							Part of the Okanogan River DDT/PCB TMDL, approved by EPA 2/1/05. -kk
50	**8165**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**865.116**	**29N**	**25E**	**24**	**Total Dissolved Gas**	**Water**
			U.S. Army Corp of Engineers (2002b) station CHQW (Chief Joseph Tailwater) shows 97 excursions beyond the criterion out of 163 days during 2002. U.S. Army Corps Of Engineers (2002b) station CHJ (Chief Joseph Forebay) shows 83 excursions beyond the criterion out of 217 days during 2002. U.S. Army Corps Of Engineers (2001) shows 3 days exceeding criterions at station CHJ in 2000.							Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04. -kk

WRIA	Listing ID	Category	Waterbody Name	Location Information					Parameter	Medium
			Basis						Remarks	
50	**36431**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**817.194**	**28N**	**24E**	**07**	**Total Dissolved Gas**	**Water**
			Douglas County PUD station WELW (Wells Tailrace) shows 101 excursions beyond the criterion out of 173 days during 2002, and 14 excursions during this period beyond the temporary criterion provided for fish passage. Pickett, 2002, shows no excursions beyond the citerion from measurements collected in July 2002.						Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04. -kk	
50	**36432**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**814.919**	**28N**	**23E**	**13**	**Total Dissolved Gas**	**Water**
			Parametrix, 2001, shows no excursions beyond the criterion at station 1P from measurements collected during 2000.						Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04. -kk	
50	**36433**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**798.896**	**27N**	**23E**	**29**	**Total Dissolved Gas**	**Water**
			Parametrix, 2001, shows no excursions beyond the criterion at station 2P from measurements collected during 2000.						Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04. -kk	
50	**36434**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**800.234**	**27N**	**23E**	**29**	**Total Dissolved Gas**	**Water**
			Parametrix, 2001, shows no excursions beyond the criterion at station 2L (new) from measurements collected during 2000.						Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04.	
53	**36436**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**47118J9F7**	**47.955**		**118.975**	**Total Dissolved Gas**	**Water**
			US Bureau of Reclamation unpublished data at station GCL (Grand Coulee Forebay) shows 136 excursions beyond the criterion out of 365 days during 2002.						Was Grid Cell number 48118A9D6 on 1998 list. -kk	
			U.S. Bureau of Reclamation unpublished data at station FDRW shows no excursions beyond the criterion from all measurements collected in 2000. U.S. Army Corp of Engineers, 1991. Numerous excursions beyond the criterion at station 2616 below Grand Coulee Dam.						Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04. -kk	
53	**36437**	**4A**	**COLUMBIA RIVER**	**NN57SG**	**48118A9C5**	**48.025**		**118.955**	**Total Dissolved Gas**	**Water**
			U.S. Army Corps of Engineers, 1996, The monthly average concentrations during April through August 1996 exceed the criterion at station CGGW - STN#2616 (6.3 miles downstream of Grand Coulee Dam). U.S. Bureau of Reclamation unpublished data at station GCGW (Grand Coulee Downstream)shows 90 excursions beyond the criterion out of 350 days during 2002.						Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04. -kk	
54	**9045**	**4A**	**SPOKANE RIVER**	**QZ45UE**	**114.927**	**25N**	**42E**	**14**	**Lead**	**Water**
			Hopkins and Johnson, 1997., 2 excursions beyond the criterion at RM 69.8 between 4/97 and 6/97						Part of Spokane River Dissolved Metals TMDL. Approved 8/25/99.	

WRIA	Listing ID	Category	Waterbody Name	Location Information					Parameter	Medium
			Basis						Remarks	
54	**9046**	**4A**	**SPOKANE RIVER**	**QZ45UE**	**99.346**	**26N**	**42E**	**20**	**Lead**	**Water**
			Hopkins and Johnson, 1997., 5 excursions beyond the criterion at RM 66.2 between 4/97 and 6/97.						Part of Spokane River Dissolved Metals TMDL. Approved 8/25/99.	
54	**6373**	**4A**	**SPOKANE RIVER**	**QZ45UE**	**94.079**	**26N**	**42E**	**07**	**Total Phosphorus**	**Water**
			Completed Phase I State Clean Lakes Restoration Project in 1993:Soltero, et al. 1992.						Part of Lake Spokane TMDL. Approved on 11/10/92.	
54	**9031**	**4A**	**SPOKANE RIVER**	**QZ45UE**	**104.001**	**26N**	**42E**	**33**	**Zinc**	**Water**
			Pelletier, 1994. , 2 excursions beyond the criterion on 11/2/92and 3/31/93 at RM 65.						Part of Spokane River Dissolved Metals TMDL. Approved 8/25/99.	
54	**9044**	**4A**	**SPOKANE RIVER**	**QZ45UE**	**114.927**	**25N**	**42E**	**14**	**Zinc**	**Water**
			Hopkins and Johnson, 1997., 5 excursions beyond the criterion at RM 69.8 between 4/97 and 6/97.						Part of Spokane River Dissolved Metals TMDL. Approved 8/25/99.	
54	**9047**	**4A**	**SPOKANE RIVER**	**QZ45UE**	**99.346**	**26N**	**42E**	**20**	**Zinc**	**Water**
			Hopkins and Johnson, 1997., 5 excursions beyond the criterion at RM 66.2 between 4/97 and 6/97.						Part of Spokane River Dissolved Metals TMDL. Approved 8/25/99.	
57	**8199**	**4A**	**SPOKANE RIVER**	**QZ45UE**	**154.285**	**25N**	**46E**	**06**	**Cadmium**	**Water**
			Pelletier, 1994. , 2 excursions beyond the criterion on 3/31/93 and 5/25/93 at RM 96. Hopkins and Johnson (1997) station STATELIN (STATELINE BRIDGE MONITORING STATION) shows 5 excursions beyond the criterion out of 5 samples collected between 04/97 - 06/97.						Part of Spokane River Dissolved Metals TMDL. Approved 8/25/99.	
57	**9057**	**4A**	**SPOKANE RIVER**	**QZ45UE**	**154.285**	**25N**	**46E**	**06**	**Lead**	**Water**
			Hallock (2004), Dept. of Ecology ambient station 57A150 shows a total of 4 samples in years 2002 and 2003 exceeded the chronic criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 57A150 (SPOKANE RIVER AT STATELINE BRIDGE) shows 9 excursions beyond the criterion out of 20 samples collected between 1993 - 2001 Hopkins and Johnson (1997) station STATELIN (STATELINE BRIDGE MONITORING STATION) shows 5 excursions beyond the criterion out of 5 samples collected between 04/97 - 06/97.						Part of Spokane River Dissolved Metals TMDL. Approved 8/25/99.	

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
57	**8200**	**4A**	**SPOKANE RIVER**	**QZ45UE**	**154.285**	**25N**	**46E 06**	**Zinc**	**Water**
			Hallock (2004), Dept. of Ecology ambient station 57A150 shows a total of 14 samples in years 2001, 2002, 2003, and 2004 exceeded the acute criterion and a total of 15 samples in years 2001, 2002, 2003, and 2004 exceeded the chronic criterion. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 57A150 (SPOKANE RIVER AT STATELINE BRIDGE) shows 18 excursions beyond the criterion out of 19 samples collected between 1993 - 2001. Hopkins and Johnson (1997) station STATELIN (STATELINE BRIDGE MONITORING STATION) shows 5 excursions beyond the criterion out of 5 samples collected between 04/97 - 06/97. U.S.Geological Survey data from NWIS database station 12419500 (Spokane R abv Liberty Br. Nr Otis Orchard, WA) shows 10 excursions beyond the criterion out of 10 samples collected between 01/93 - 10/00. 2 excursions beyond the criterion out of 3 samples (67%) at Ecology ambient monitoring station 57A150 (RM 96.0) between 9/91 and 9/96.					Part of Spokane River Dissolved Metals TMDL. Approved 8/25/99.	
57	**8203**	**4A**	**SPOKANE RIVER**	**QZ45UE**	**136.584**	**25N**	**44E 03**	**Zinc**	**Water**
			Pelletier, 1994. , 6 excursions beyond the criterion between 7/92 and 9/93 at RM 85.					Part of Spokane River Dissolved Metals TMDL. Approved 8/25/99.	
58	**8453**	**4A**	**SHERMAN CREEK**	**ZX69DW**	**8.685**	**36N**	**36E 36**	**Temperature**	**Water**
			Numerous excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) on Lower Sherman Creek in 1992 and 1993 . Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Sherman Site 2' show 2 excursions beyond the criterion from measurements collected in 1992.					Part of the Colville National Forest Fecoliform Bacteria and Temperature TMDL, approved by EPA on 08/05/2005. -kk	
58	**8456**	**4A**	**SHERMAN CREEK**	**ZX69DW**	**0.647**	**36N**	**37E 27**	**Temperature**	**Water**
			Numerous excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at the Fish Hatchery in 1992 and 1993.					Part of the Colville National Forest Fecoliform Bacteria and Temperature TMDL, approved by EPA on 08/05/2005. -kk	
58	**8457**	**4A**	**SHERMAN CREEK, S.F.**	**ZZ61AF**	**0.97**	**36N**	**36E 32**	**Temperature**	**Water**
			3 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21150203 on 7/25/94, 8/1/94, and 8/15/94. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'S FK Sherman (G.S.)' show excursions beyond the criterion from measurements collected in 1994, 1996, 1997, 1998, and 1999.					Part of the Colville National Forest Fecoliform Bacteria and Temperature TMDL, approved by EPA on 08/05/2005. -kk Murray (ECY, ERO 2003) states that high temperatures and low dissolved oxygen in S.F. Sherman Creek are due to natural conditions. The channel meanders through a low gradient with little shade.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
59	**8464**	**4A**	**BLUE CREEK**	**UR95XB 0 33N 40E 31**	**Fecal Coliform**	**Water**
			Stevens County Conservation District, 1992. shows a geometric mean of 544 at the railroad crossing during 1992. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station BLU13 (Blue Creek (BLU13)) shows the geometric mean of 219 exceeds the criterion and that 48 % of the samples exceeds the percentile criterion from 25 samples collected during 2000.; Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station BLU13 (Blue Creek (BLU13)) shows the geometric mean of 138 exceeds the criterion and that 50 % of the samples exceeds the percentile criterion from 10 samples collected during 2001.; Juul, 1991, high fecal coliform values were measured at the mouth on 10/15/90 and 2/6/91. Pelletier, 1997. station COLV-16 (Blue Creek) shows 3 single samples exceed the geometric mean criterion out of 3 samples collected during 1994.	Part of Colville River Bacterial TMDL. Approved 7//9/03.	
59	**10067**	**4A**	**CHEWELAH CREEK**	**QM52AR 0 32N 40E 23**	**Fecal Coliform**	**Water**
			Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CHEW10 (Chewelah Creek (CHEW10)) shows the geometric mean of 46 does not exceed the criterion and that 11 % of the samples exceeds the percentile criterion from 19 samples collected during 2000. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CHEW10 (Chewelah Creek (CHEW10)) shows the geometric mean of 30 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 7 samples collected during 2001. Stevens County Conservation District, 1992. shows a geometric mean of 65 at Alm Road during 1992. Pelletier, 1997. station COLV-17 (Chewelah Creek) shows 1 single samples exceed the geometric mean criterion out of 3 samples collected during 1994.	Part of Colville River Bacterial TMDL. Approved 7/9/03.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
59	**8468**	**4A**	**CHEWELAH CREEK, S.F.**	**FU01VK 13.092 33N 41E 23**	**Fecal Coliform**	**Water**
			Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'S Fk Chewelah Site 1' show a geometric mean of 26 cfu/100mL from 3 samples collected in 2002. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'S Fk Chewelah Site 1' show a geometric mean of 37 cfu/100mL from 9 samples collected in 2001. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'S Fk Chewelah Site 1' show a geometric mean of 7 cfu/100mL from 14 samples collected in 2000. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'S Fk Chewelah Site 1' show a geometric mean of 18 cfu/100mL from 17 samples collected in 1999. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'S FK Chewelah Site 1' show a geometric mean of 34 cfu/100mL from 14 samples collected in 1998. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'S FK Chewelah Site 1' show a geometric mean of 22 cfu/100mL from 9 samples collected in 1994. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'S Fk Chewelah Site 1' show a geometric mean of 16 cfu/100mL from 60 samples collected in 1993. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'S FK Chewelah Site 1' show a geometric mean of 43 cfu/100mL from 36 samples collected in 1992. 3 excursions beyond the criterion sampled by Colville National Forest at station 21120203 (STUDY #1) in 1993. 6 excursions beyond the criterion sampled by Colville National Forest at station 21120203 in 1991 and 1992.	Part of the Colville National Forest Fecoliform Bacteria and Temperature TMDL, approved by EPA on 08/05/2005. -kk	
59	**9065**	**4A**	**COLVILLE RIVER**	**DH01PX 23.438 35N 39E 17**	**Ammonia-N**	**Water**
			Hoyle-Dodson, 1995. , modeled concentration at edge of Colville City WTP exceeded acute standards.		The Colville River Dissolved Oxygen/Ammonia TMDL was approved 24-Oct-03.	
59	**8475**	**4A**	**COLVILLE RIVER**	**DH01PX 23.438 35N 39E 17**	**Dissolved oxygen**	**Water**
			Pelletier, 1989. 2 excursions beyond the criterion at RM 14.7 on 9/22/87 and 9/23/87.		The Colville River Dissolved Oxygen TMDL was approved 24-Oct-03.	
59	**8476**	**4A**	**COLVILLE RIVER**	**DH01PX 16.882 36N 38E 36**	**Dissolved oxygen**	**Water**
			Stevens County Conservation District, 1993. 2 excursions beyond the criterion out of 10 samples (20%) at Colville RM 11 on 5/4/92 and 6/1/92.		The Colville River Dissolved Oxygen TMDL was approved 24-Oct-03.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
59	**8477**	**4A**	**COLVILLE RIVER**	**DH01PX 6.85 36N 38E 30**	**Dissolved oxygen**	**Water**
			Juul, 1991. 1 excursion beyond the criterion out of 10 samples at RM 5.0 on 8/28/90.		The Colville River Dissolved Oxygen TMDL was approved 24-Oct-03.	
59	**8479**	**4A**	**COLVILLE RIVER**	**DH01PX 14.872 36N 38E 26**	**Dissolved oxygen**	**Water**
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 59A080 (Colville R abv Kettle Falls) shows 2 excursions beyond the criterion out of 17 samples collected between 1993 - 2001 measured on these dates: 95/07/11, 95/09/06, Pelletier, 1997. 2 excursions beyond the criterion out of 10 samples (20%) at RM 9.2 during 8/94 to 11/94. Stevens County Conservation District, 1993. 3 excursions beyond the criterion out of 10 samples (20%) at Colville RM 9 during 1992.		The Colville River Dissolved Oxygen TMDL was approved 24-Oct-03.	
59	**8480**	**4A**	**COLVILLE RIVER**	**DH01PX 18.225 36N 39E 31**	**Dissolved oxygen**	**Water**
			Pelletier, 1997. , 2 excursions beyond the criterion out of 10 samples (20%) at RM 11.2 during 8/94 to 11/94.;		The Colville River Dissolved Oxygen TMDL was approved 24-Oct-03.	
59	**8481**	**4A**	**COLVILLE RIVER**	**DH01PX 22.274 35N 39E 08**	**Dissolved oxygen**	**Water**
			Pelletier, 1997. , 2 excursions beyond the criterion out of 10 samples (20%) at RM 13.8 during 8/94 to 11/94.;		The Colville River Dissolved Oxygen TMDL was approved 24-Oct-03.	
59	**8482**	**4A**	**COLVILLE RIVER**	**DH01PX 54.306 33N 40E 31**	**Dissolved oxygen**	**Water**
			Pelletier, 1997. 4 excursions beyond the criterion out of 10 samples (40%) at RM 32.1 during 8/94 to 11/94. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 59A110 (Colville R @ Blue Creek) shows 0 excursions beyond the criterion out of 6 samples collected between 1993 - 2001.		The Colville River Dissolved Oxygen TMDL was approved 24-Oct-03.	
59	**11406**	**4A**	**COLVILLE RIVER**	**DH01PX 8.892 36N 38E 29**	**Dissolved oxygen**	**Water**
			Hallock (2001) Dept. of Ecology Ambient Monitoring Station 59A070 (Colville R @ Kettle Falls) shows 2 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on these dates: 94/07/07, 94/08/03,		The Colville River Dissolved Oxygen TMDL was approved 24-Oct-03.	
59	**8473**	**4A**	**COLVILLE RIVER**	**DH01PX 56.721 32N 40E 06**	**Fecal Coliform**	**Water**
			Stevens County Conservation District, 1992. 3 excursions beyond the upper criterion at RM 32 during 1992.		Part of Colville River Bacterial TMDL approved 9-Jul-03.	
59	**8484**	**4A**	**COLVILLE RIVER**	**DH01PX 6.85 36N 38E 30**	**Fecal Coliform**	**Water**
			Juul, 1991, high fecal coliform values were measured at RM 5.0 on 10/15/90 and 2/6/91.		Part of Colville River Bacterial TMDL. Approved 7//9/03.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
59	**8496**	**4A**	**COLVILLE RIVER**	**DH01PX 16.882 36N 38E 36**	**Fecal Coliform**	**Water**
			Stevens County Conservation District, 1992. 2 excursions beyond the upper criterion at RM 11 during 1992.		Part of Colville River Bacterial TMDL. Approved 7/9/03.	
59	**8498**	**4A**	**COLVILLE RIVER**	**DH01PX 25.804 35N 39E 21**	**Fecal Coliform**	**Water**
			Stevens County Conservation District, 1992. 2 excursions beyond the upper criterion at RM 16 during 1992. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CR20 (Collville River (CR20)) shows the geometric mean of 37 does not exceed the criterion and that 10 % of the samples does not exceed the percentile criterion from 21 samples collected during 2000. ; Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CR20 (Collville River (CR20)) shows the geometric mean of 7 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 9 samples collected during 2001.; Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CR21 (Collville River (CR21)) shows the geometric mean of 23 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 10 samples collected during 2001. Pelletier, 1997. station COLV-5 (Colville River (RM 15.9)) shows a geometric mean of 67 cfu/100mL with 33% exceeding the percentile criterion out of 6 samples collected during 1994.		Part of Colville River Bacterial TMDL. Approved 7/9/03.	
59	**8499**	**4A**	**COLVILLE RIVER**	**DH01PX 83.354 31N 40E 26**	**Fecal Coliform**	**Water**
			Stevens County Conservation District, 1992. 2 excursions beyond the upper criterion at RM 16 during 1992. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CR4 (Collville River (CR4)) shows the geometric mean of 140 exceeds the criterion and that 48 % of the samples exceeds the percentile criterion from 27 samples collected during 2000; Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CR4 (Collville River (CR4)) shows the geometric mean of 21 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 12 samples collected during 2001.; Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CR6 (Collville River (CR6)) shows the geometric mean of 100 does not exceed the criterion and that 25 % of the samples exceeds the percentile criterion from 12 samples collected during 2001.		Part of Colville River Bacterial TMDL. Approved 7/9/03.	
59	**10076**	**4A**	**COLVILLE RIVER**	**DH01PX 81.689 31N 40E 23**	**Fecal Coliform**	**Water**
			Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CR6 (Collville River (CR6)) shows the geometric mean of 99 does not exceed the criterion and that 44 % of the samples exceeds the percentile criterion from 27 samples collected during 2000. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CR6 (Collville River (CR6)) shows the geometric mean of 100 does not exceed the criterion and that 25 % of the samples exceeds the percentile criterion from 12 samples collected during 2001. Pelletier, 1997. station COLV-15 (Colville River (RM 48.3)) shows 1 single samples exceed the geometric mean criterion out of 3 samples collected during 1994.		Part of Colville River Bacterial TMDL. Approved 7//9/03.	
59	**10463**	**4A**	**COLVILLE RIVER**	**DH01PX 65.104 32N 40E 15**	**Fecal Coliform**	**Water**
			Pelletier, 1997. station COLV-11 (Colville River (RM 37.8)) shows a geometric mean of 101 cfu/100mL with 60% exceeding the percentile criterion out of 5 samples collected during 1994.		Part of Colville River Bacterial TMDL. Approved 7//9/03.	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
59	**10474**	**4A**	**COLVILLE RIVER**	**DH01PX 22.274 35N 39E 08**	**Fecal Coliform**	**Water**
			Pelletier, 1997. station COLV-4 (Colville River (RM 13.8)) shows a geometric mean of 152 cfu/100mL with 60% exceeding the percentile criterion out of 5 samples collected during 1994. Part of Colville River Bacterial TMDL. Approved 7/9/03.		Part of Colville River Bacterial TMDL. Approved 7/9/03.	
			Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CR21 (Collville River (CR21)) shows the geometric mean of 20 does not exceed the criterion and that 6 % of the samples does not exceed the percentile criterion from 18 samples collected during 2000; Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CR21 (Collville River (CR21)) shows the geometric mean of 23 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 10 samples collected during 2001.; Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CR23 (Collville River (CR23)) shows the geometric mean of 11 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 7 samples collected during 2001.			
59	**8500**	**4A**	**COTTONWOOD CREEK**	**GT96PS 0 32N 40E 36**	**Fecal Coliform**	**Water**
			Stevens County Conservation District, 1992. shows a geometric mean of 121 at the mouth during 1992.		Part of Colville River Bacterial TMDL. Approved 7//9/03.	
			Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station COT8 (Cottonwood Creek (COT8)) shows the geometric mean of 37 does not exceed the criterion and that 5% of the samples does not exceed the percentile criterion from 19 samples collected during 2000.			
			Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station COT8 (Cottonwood Creek (COT8)) shows the geometric mean of 15 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 2001.			
			Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station CR11 (Collville River (CR11)) shows the geometric mean of 28 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 10 samples collected during 2001.			
59	**8503**	**4A**	**COTTONWOOD CREEK**	**GT96PS 14.118 32N 41E 36**	**Fecal Coliform**	**Water**
			2 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21120201 in 7/91 and 5/92.		Part of the Colville National Forest Fecoliform Bacteria and Temperature TMDL, approved by EPA on 08/05/2005. -kk	
59	**10080**	**4A**	**HALLER CREEK**	**GQ24CK 0 34N 39E 04**	**Fecal Coliform**	**Water**
			Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station HAL19 (HAL19) shows the geometric mean of 31 does not exceed the criterion and that 12 % of the samples exceeds the percentile criterion from 17 samples collected during 2000. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station HAL19 (HAL19) shows the geometric mean of 7 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 9 samples collected during 2001.		Part of Colville River Bacterial TMDL. Approved 7//9/03.	
			Pelletier, 1997. station COLV-19 (Haller Creek) shows 2 single samples exceed the geometric mean criterion out of 3 samples collected during 1994.			

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
59	**10081**	**4A**	**HUCKLEBERRY CREEK**	**GC63AN 0 31N 40E 10**	**Fecal Coliform**	**Water**
			Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station HUC7 (HUC7) shows the geometric mean of 31 does not exceed the criterion and that 18% of the samples exceeds the percentile criterion from 17 samples collected during 2000. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station HUC7 (HUC7) shows the geometric mean of 6 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 7 samples collected during 2001. Stevens County Conservation District, 1992. shows a geometric mean of 46 at the mouth of Huckleberry Creek during 1992.		Part of Colville River bacterial TMDL. Approved 7/9/03. Listing ID 8510 rolled in to this listing causing a change of the 1998 listed flag from N to Y. 10/13/04 -kk
59	**8512**	**4A**	**KINMAN CREEK**	**KR71AJ 0 31N 40E 26**	**Fecal Coliform**	**Water**
			Stevens County Conservation District, 1992. shows a geometric mean of 517 at the mouth during 1992. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station JOJ5 (JOJ5) shows the geometric mean of 35 does not exceed the criterion and that 14 % of the samples exceeds the percentile criterion from 14 samples collected during 2000. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station JOJ5 (JOJ5) shows the geometric mean of 5 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 8 samples collected during 2001.		Part of Colville River Bacterial TMDL. Approved 7//9/03.
59	**10471**	**4A**	**MILL CREEK**	**NO98KK 0 36N 39E 31**	**Fecal Coliform**	**Water**
			Pelletier, 1997. station COLV-21 (Mill Creek) shows a geometric mean of 96 cfu/100mL with 40% exceeding the percentile criterion out of 5 samples collected during 1994. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station MILL22 (Mill Creek (MILL22)) shows the geometric mean of 21 does not exceed the criterion and that 0% of the samples does not exceed the percentile criterion from 8 samples collected during 2001. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station MILL22 (Mill Creek (MILL22)) shows the geometric mean of 46 does not exceed the criterion and that 6% of the samples does not exceed the percentile criterion from 17 samples collected during 2000.		Part of Colville River Bacterial TMDL. Approved 9-Jul-03.
59	**8524**	**4A**	**SHEEP CREEK**	**UD18TQ 0 30N 40E 09**	**Fecal Coliform**	**Water**
			Juul, 1991, high fecal coliform values were measured at the mouth on 10/15/90 and 2/6/91.			Part of Colville River Bacterial TMDL approved 9-Jul-03.

WRIA	Listing ID	Category	Waterbody Name	Location Information				Parameter	Medium
			Basis					Remarks	
59	**8532**	**4A**	**STENSGAR CREEK**	**QE64YM**	**0**	**33N**	**39E 24**	**Fecal Coliform**	**Water**
			Stevens County Conservation District, 1992. shows a geometric mean of 141 at Curtis Ott's property during 1992. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station STEN14 (Stensgar Creek (STEN14)) shows the geometric mean of 60 does not exceed the criterion and that 16 % of the samples exceeds the percentile criterion from 25 samples collected during 2000. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station STEN14 (Stensgar Creek (STEN14)) shows the geometric mean of 16 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 9 samples collected during 2001. Juul, 1991, high fecal coliform values were measured at the mouth on 10/15/90 and 2/6/91. Pelletier, 1997. station COLV-23 (Stensgar Creek (downstream)) shows 2 single samples exceed the geometric mean criterion out of 4 samples collected during 1994.				Part of Colville River Bacterial TMDL. Approved 7//9/03.	
59	**10089**	**4A**	**STRANGER CREEK**	**XA81YE**	**0.476**	**33N**	**39E 11**	**Fecal Coliform**	**Water**
			Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station STRN15 (STRN15) shows the geometric mean of 156 exceeds the criterion and that 44 % of the samples exceeds the percentile criterion from 25 samples collected during 2000. Data from the Dept. of Ecology EIM database for the Project RCOO0002 (COLVILLE RIVER BACTERIAL TMDL) station STRN15 (STRN15) shows the geometric mean of 28 does not exceed the criterion and that 0 % of the samples does not exceed the percentile criterion from 14 samples collected during 2001. Stevens County Conservation District, 1992. 3shows a geometric mean of 98 at Marble Valley road during 1992. Pelletier, 1997. station COLV-24 (Stranger Creek) shows 2 single samples exceed the geometric mean criterion out of 3 samples collected during 1994.				Part of Colville River Bacterial TMDL. Approved 7//9/03.	
60	**8541**	**4A**	**COTTONWOOD CREEK**	**SV51QB**	**4.601**	**40N**	**33E 33**	**Fecal Coliform**	**Water**
			4 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21180207 in 1991 and 1992.					Part of the Colville National Forest Fecoliform Bacteria and Temperature TMDL, approved by EPA on 08/05/2005. -kk Part of Colville River Bacterial TMDL approved 9-Jul-03. The Colville National Forest (submitted by Nora Rasue on 13 April 2001) provides information to suppport rationale that high fecal coliform levels are a natural condition. Ecology staff reviewed this listing in 2003 for natural conditions, but could not rule out the possibility that human activities contributed to the excursion(s).	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
60	**38080**	**4A**	**LAMBERT CREEK**	**FJ42JJ 6.775 37N 33E 01**	**Fecal Coliform**	**Water**
			Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Lambert Site 1' show a geometric mean of 76 cfu/100mL from 6 samples collected in 2002. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Lambert Site 1' show a geometric mean of 33 cfu/100mL from 7 samples collected in 2001. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Lambert Site 1' show a geometric mean of 25 cfu/100mL from 7 samples collected in 2000. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Lambert Site 1' show a geometric mean of 30 cfu/100mL from 7 samples collected in 1999. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Lambert Site 1' show a geometric mean of 24 cfu/100mL from 10 samples collected in 1998. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Lambert Site 1' show a geometric mean of 30 cfu/100mL from 5 samples collected in 1992.	Part of the Colville National Forest Fecoliform Bacteria and Temperature TMDL, approved by EPA on 08/05/2005. -kk	
61	**36442**	**4A**	**FRANKLIN D. ROOSEVELT LAKE**	**NN57SG 48117J6I3 48.985 117.635**	**Total Dissolved Gas**	**Water**
			U.S. Army Corps of Engineers, 1996, The monthly average concentrations during April through August 1996 exceed the criterion at station CIBW - STN#2830 (1 mile downstream of the Canadian Border). U.S. Bureau of Reclamation unpublished data at station CIBW (Boundary US/Canada) shows 167 excursions beyond the criterion out of 358 days during 2002.	Part of the Washington Total Dissolved Gas TMDLs for the Mid-Columbia River, approved by EPA 07/28/04. -kk	

WRIA	Listing ID	Category	Waterbody Name	Location Information	Parameter	Medium
			Basis		Remarks	
61	**38188**	**4A**	**SMACKOUT CREEK**	**CZ33CZ 1.544 38N 41E 03**	**Fecal Coliform**	**Water**
			Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Smackout' show a geometric mean of 9 cfu/100mL from 4 samples collected in 2002. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Smackout' show a geometric mean of 7 cfu/100mL from 10 samples collected in 2001. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Smackout' show a geometric mean of 6 cfu/100mL from 10 samples collected in 2000. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Smackout' show a geometric mean of 12 cfu/100mL from 16 samples collected in 1999. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Smackout' show a geometric mean of 55 cfu/100mL from 8 samples collected in 1998. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Smackout' show a geometric mean of 9 cfu/100mL from 3 samples collected in 1994. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Smackout' show a geometric mean of 18 cfu/100mL from 26 samples collected in 1993. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Smackout' show a geometric mean of 6 cfu/100mL from 23 samples collected in 1992.	Part of the Colville National Forest Fecoliform Bacteria and Temperature TMDL, approved by EPA on 08/05/2005. -kk	
61	**38189**	**4A**	**SMACKOUT CREEK**	**CZ33CZ 4.438 38N 41E 11**	**Fecal Coliform**	**Water**
			Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Smackout Graze Low' show a geometric mean of 116 cfu/100mL from 11 samples collected in 2000.		Part of the Colville National Forest Fecoliform Bacteria and Temperature TMDL, approved by EPA on 08/05/2005. -kk	
62	**19862**	**4A**	**LOST CREEK**	**EK49EK 2.93 36N 43E 17**	**Temperature**	**Water**
			Colville National Forest Temperature TMDL Study unpublished data show a 7-day mean of daily maximum values of 17.3 from continuous measurements collected in 2002. Colville National Forest data (submitted by Albertus Wasson on 16 December 2002) at the station named 'Lost Cr Site 2' show no excursions beyond the criterion from measurements collected in 1999. 8 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21100330 (the one on Sullivan Road) during 1978 and 1979.	Part of the Colville National Forest Fecoliform Bacteria and Temperature TMDL, approved by EPA on 08/05/2005. -kk This waterbody is part of a TMDL study that will determine whether or not excursions are due to natural conditions. Murray (Ecy, ERO 2003) believes the high temperatures are a natural condition due to the influence of two lakes in the watershed. No management activities are causing a temperature increase.	